

Catalogue

Number 2




1911-1912

**STOVES, RANGES  
HEATERS, FURNACES**  

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**HOT WATER HEATERS**

  
STOVE REPAIRS  
SHEET METALS  
AND TINKERS' SUPPLIES



**CHARLES TISCH**

93, 95, 97 Rockwell Place

Near Flatbush Avenue

BROOKLYN, N. Y.

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# CATALOGUE NUMBER TWO

1911-1912

STOVES, RANGES  
HEATERS, FURNACES  
AND  
HOT WATER HEATERS

STOVE REPAIRS

SHEET METALS

TINNERS' SUPPLIES

TELEPHONES

4960 }  
4961 } MAIN  
4962 }

Private Branch Connects all departments

## CHARLES TISCH

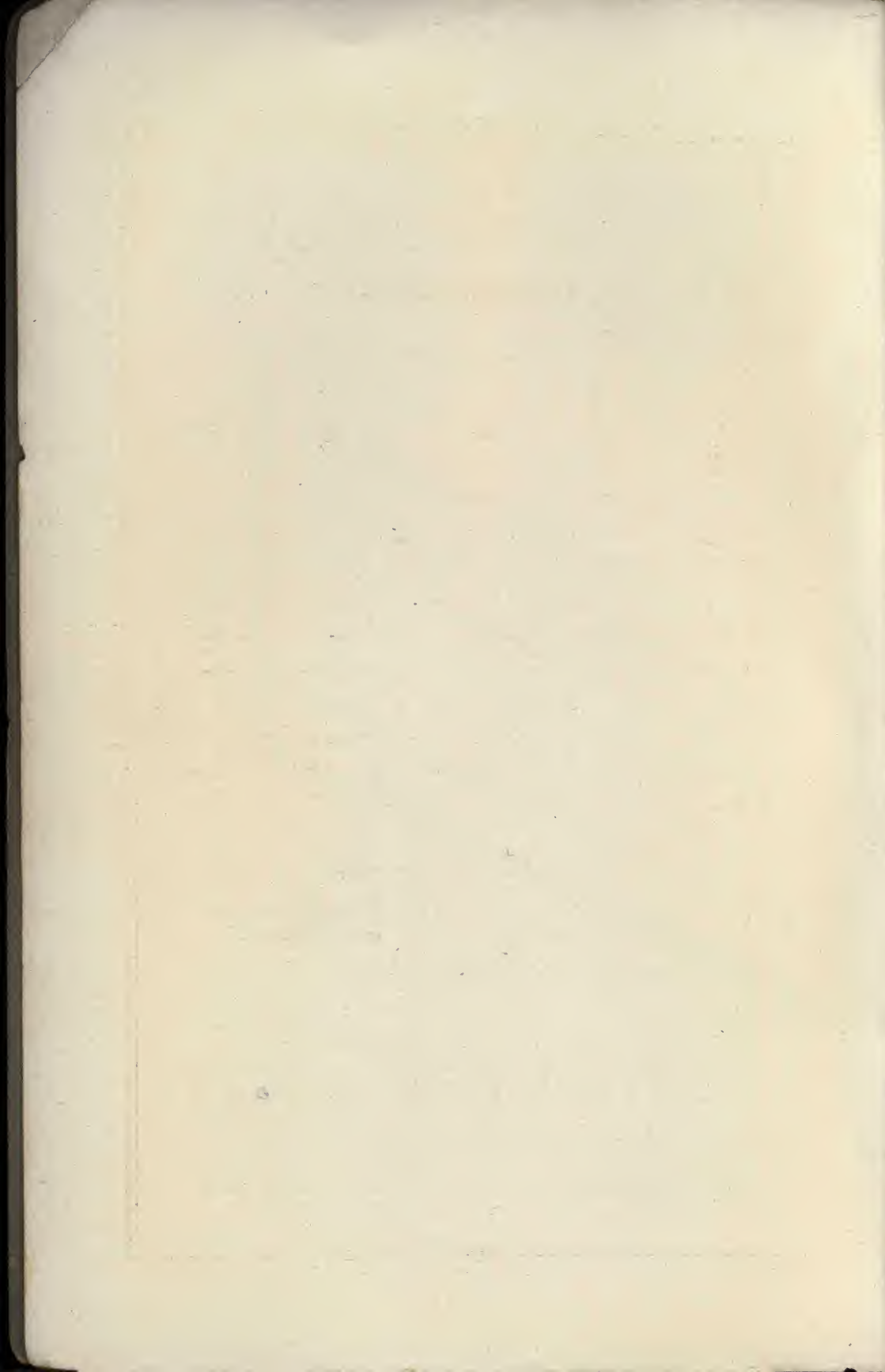
93, 95 and 97 Rockwell Place

Near Flatbush Avenue

BROOKLYN, N. Y.









## Announcement

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**I**N presenting this our Second Illustrated CATALOGUE I have endeavored to make it as complete as possible. In looking over its contents, you will note that our line of STOVES, RANGES, HEATERS, FURNACES and HOT WATER HEATERS embraces almost every manufacturer in New York, and all products sold at their prices. This will enable you to purchase your wants here, saving considerable time in delivery.

Our delivery system has been brought up to the highest standard of perfection, and all orders placed with us will be delivered to any part of the City, free of charge.

We extend to you a cordial invitation to visit our warerooms, where will be found a complete line of up-to-date Stoves, Ranges, Heaters, STOVE REPAIRS and TINSMITH SUPPLIES. Thanking you for your kind patronage in the past and asking for a continuance of your valued favors in the future, I remain,

Yours very truly,

CHARLES TISCH.

### Terms

Monthly accounts will be opened with those who have approved credit or where satisfactory reference is furnished—such accounts will be considered due on or before the 15th of the following month.

### Credits

Credit for merchandise returned will be given in every instance when same are stock goods, if returned within a reasonable time accompanied by invoice.

Merchandise bought to your order cannot be returned or accepted by me for credit.

Claims of any character should be made within ten days from receipt of goods.

### Directions for Shipping

When directions for shipping are not given we will use our discretion as to choice of routes.

All shipments made at owner's risk.

93, 95 & 97 Rockwell Place, near Flatbush Avenue.



## “THATCHER” DOUBLE-OVEN PORTABLE RANGE

With Low Warming Closet.

And Upper Wrought Steel Closet.

Furnished in either Portable or Brick-Set Form.

### DIMENSIONS.

Number of Range.	Size of Top Inches.	Height Inches.	Holes.	Size of Oven Inches.	Brick-Set Opening, Inches.
8	49x27	31½	Eight 8-inch	12x20x14	42x20
18	53x27	31½	Eight 8-inch	13x20x14	45x20
19	53x27	31½	{ Six 9-inch } { Two 8-inch }	13x20x14	45x20

WRITE FOR PRICES.





## "THATCHER" COMBINATION GAS AND COAL RANGE

Furnished with Fire-Box on either right or left hand.

1907 Model, Single Oven Range with side end gas attachment and wrought steel closet. Coal Range and Gas Range can be used together or separately.

### DIMENSIONS.

No. of Range.	Size of Top Including Gas Oven Inches.	Height Inches.	Height Including High Steel Closet.	Size of Oven Inches.	Size of Gas Oven Inches.
88	51x26½	30½	57¼	18½x19x12	12x19x9½

WRITE FOR PRICES.

93, 95 & 97 Rockwell Place, near Flatbush Avenue.

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## THATCHER

With Warming Closet Below and Roll Front Steel Warming Closet Above.  
Furnished in either Portable or Brick-Set Form, with Fire-Box on either  
right or left hand.

(For dimensions see page 9.)

WRITE FOR PRICES.





## THATCHER

With Low Warming Closet, Shelf and Canopy.

Furnished in either Portable or Brick-Set Form, with Fire-Box on either right or left hand. Thermometers, as shown above, are not shipped unless specially ordered.

(For dimensions see page 9.)

WRITE FOR PRICES.



93, 95 & 97 Rockwell Place, near Flatbush Avenue.



## THATCHER

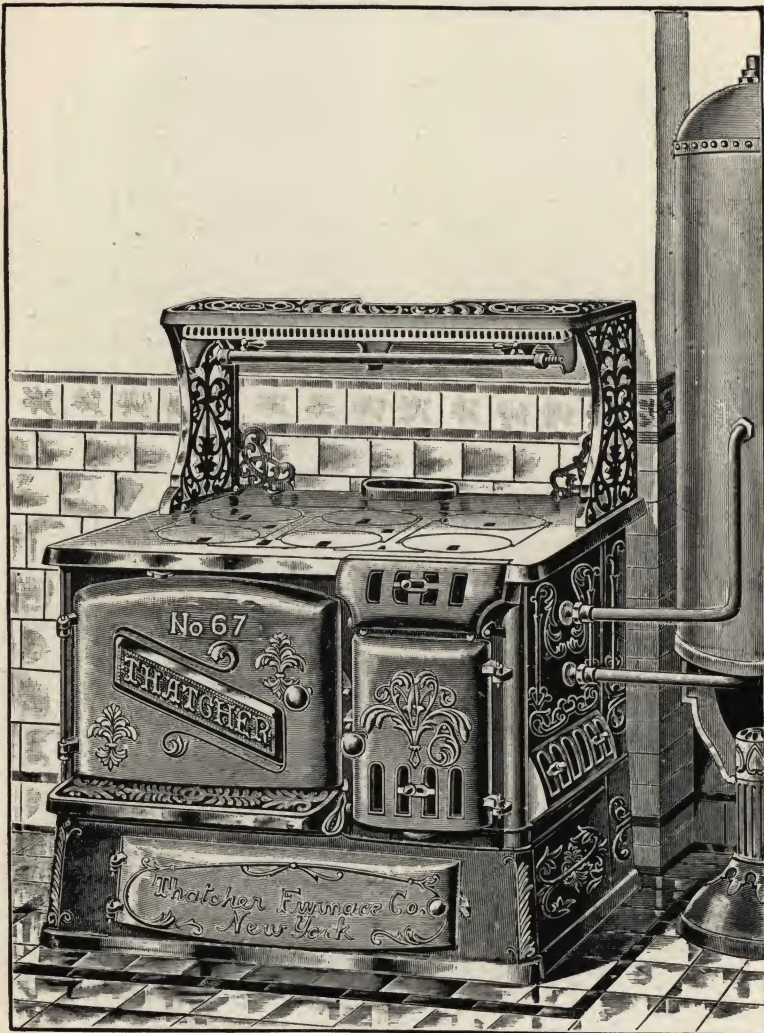
With Low Warming Closet and Shelf.

Furnished in either Portable or Brick-Set Form, with Fire-Box on either right or left hand. All Ranges supplied with Skeleton or Full Closet.

### DIMENSIONS.

No. of Range.	Size of Top, Inches.	Height, Inches.	Holes.	Size of Oven, Inches.	Brick-Set Opening, Inches.
290	39x29	31 ½	Six 9-inch	22x21x14 ½	39x12
280	39x29	31 ½	Six 8-inch	22x21x14 ½	39x12
180	39x27	31 ½	Six 8-inch	20x19x14	39x12
67	34x25 ½	27 ½	Six 7-inch	14x15x10 ½	30x12
77	34x25 ½	30	Six 7-inch	16x17x10 ½	30x12
78	36x25 ½	30	Six 8-inch	16x17x10 ½	33x12

WRITE FOR PRICES.



**"THATCHER" SINGLE-OVEN PORTABLE RANGE**

On Skeleton Base, With Shelf and Gas Attachment.

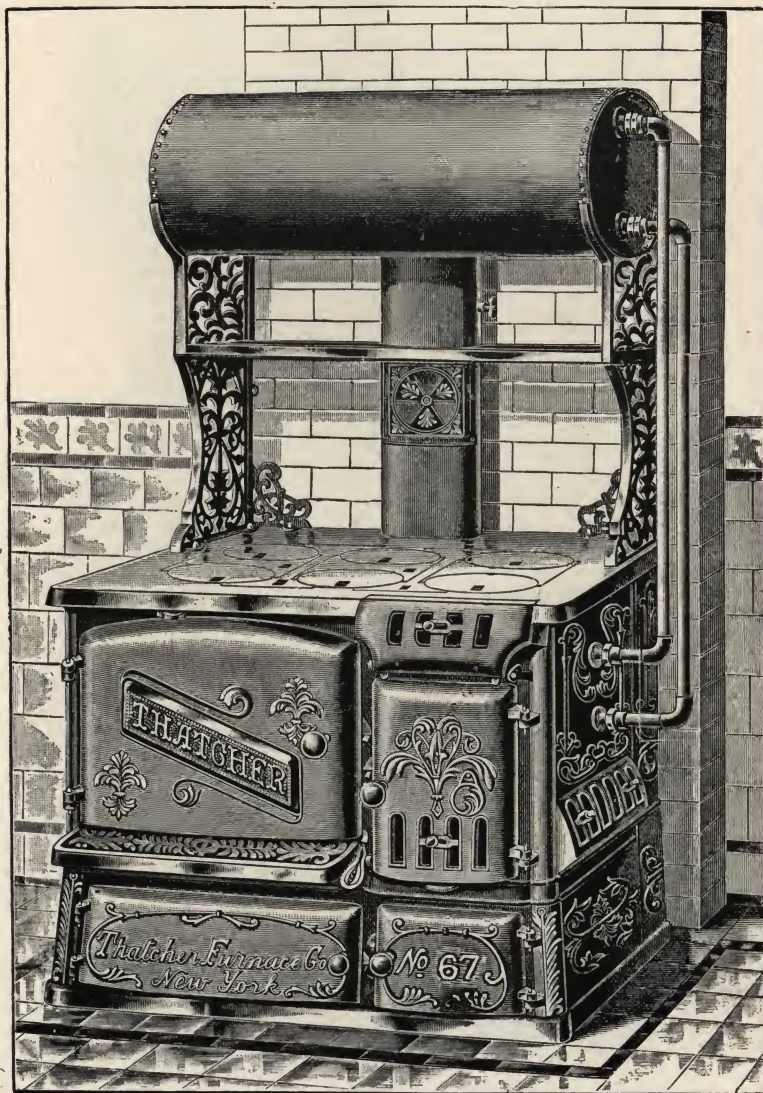
Furnished in either Portable or Brick-Set Form, with Fire-Box on either right or left hand.

(For dimensions see page 9.)

**WRITE FOR PRICES.**



93, 95 & 97 Rockwell Place, near Flatbush Avenue.



## **"THATCHER" SINGLE-OVEN PORTABLE RANGE**

With Low Warming Closet, Shelf and Horizontal Boiler.

Furnished in either Portable or Brick-Set Form, with Fire Box on either right or left hand. Fitted for 18 and 24-Gallon Horizontal Boiler.

(For dimensions see page 9.)

**WRITE FOR PRICES.**





### No. 80 ASTOR

With Steel High Warming Closet.

Furnished in either Portable or Brick-Set Form with Fire Box on either right or left hand.

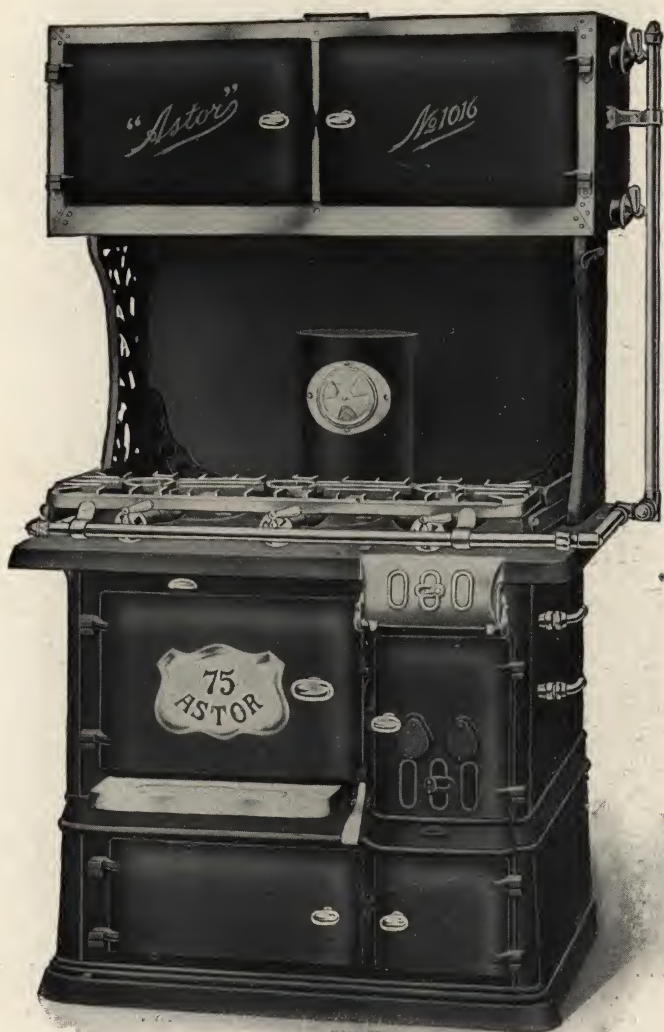
A special Skeleton High Shelf and a special Gas Shelf with patent two or three burner Gas Stove Attachment, adjustable to this Range.

No.	Size of Top, Inches.	Height, Inches.	Holes.	Size of Oven, Inches.	Size of Top, Brick-Set, Inches.
80	26 ½ x 37 ½	31 ½	Six 8-inch	18x18x12	34 to 36

WRITE FOR PRICES.

93, 95 & 97 Rockwell Place, near Flatbush Avenue.

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### No. 75 ASTOR

In combination with the No. 2016 Astor Elevated Gas Range. (Patented.)  
(See description on page 14.)

WRITE FOR PRICES.



### No. 75 ASTOR

#### MEASUREMENTS:

Covers .....	.....	six 8-inch
Oven—Width .....	.....	16 inches.
Depth .....	.....	18 "
Height .....	.....	11 "
Height of Range.....	.....	29 "
Dimensions of Top.....	26x35	"
Space in chimney required for brick setting.....	33	" wide

#### SPECIAL FEATURES:

Pull-out Duplex Grate  
Foot Opener  
Reed Check Damper  
Interchangeable Doors

Clean-out Plate in Oven  
Bottom  
Clean-out Door in Front  
With or Without  
Thermometer

#### ORNAMENTATION:

Nickel Name Plate  
Nickel Oven Shelf  
Nickel Broiler Door  
Nickel Knobs

Portable or brick set. Skeleton low warming closet or full closet with sifting grate and ash-pan. Water-back right or left. Supplied with extension end plates when ordered. Top plate in bolted sections to prevent cracking.

WRITE FOR PRICES.





### No. 74 ASTOR

With High Shelf. Skeleton Base.

#### MEASUREMENTS:

Covers .....	six 7-inch
Oven—Width .....	16 inches
Depth .....	17 "
Height .....	10 1/2 "
Height of Range .....	28 "
Dimensions of Top .....	25x34 "

#### SPECIAL FEATURES:

Lift-out Triplex Grate  
Foot Opener  
Reed Check Damper  
With or Without Oven  
Thermometer

#### Full Low Closet

Skeleton Closet

Interchangeable Doors

Clean-out Plate in Oven

Bottom

Clean-out Door in Front

#### ORNAMENTATION:

Nickel Name Plate  
Large Nickel Broiler Door  
Nickel Oven Shelf  
Nickel Knobs

Top plate in bolted sections to prevent cracking. Furnished with right or left-hand water-back.

Our 24-gallon Round Head Horizontal Boilers are adaptable to this Range.

WRITE FOR PRICES.



## No. 72 ASTOR

### MEASUREMENTS:

Covers .....	six 7-inch
Oven—Width .....	15 inches
Depth .....	16 ½ "
Height .....	10 ¼ "
Height of Range.....	28 "
Dimensions of Top.....	23 ¾ x33 "

### SPECIAL FEATURES:

Lift-out Triplex Grate  
Reed Check Damper  
Foot Opener  
Top Plate in Sections

Interchangeable Doors  
Clean-out Plate in Oven  
Bottom  
Clean-out Door in Front

### ORNAMENTATION:

Nickel Name Plate  
Large Nickel Broiler Door  
Nickel Oven Shelf  
Nickel Knobs

Absolutely the finest range of its class in the market.

Made for either right or left-hand water-back. Skeleton low warming closet only. Portable only.

Our 18 or 24-gallon Round Head Horizontal Boilers are adaptable to this range.

WRITE FOR PRICES.





## No. 71 ASTOR

Plain Finished Castings.

### MEASUREMENTS:

Covers .....	six 7-inch
Oven—Width .....	14 ½ inches
Depth .....	16 "
Height .....	10 ¼ "
Height of Range .....	27 ½ "
Dimensions of Top .....	23 ½ x 33 "

### SPECIAL FEATURES:

Shaking and Dumping Grate  
Oven Shelf  
Clean-out Plate in Oven

Interchangeable Doors  
Reed Check Damper  
Broiler Door

### ORNAMENTATION:

Nickeled Broiler Door  
Nickeled Name Plate  
Nickeled Hearth Card  
Nickeled Shell Knobs

One size, 7-inch, Portable only. Brand new.

For flats and apartment houses. Furnished for right or left-hand water-back. Skeleton low warming closet only.

Furnished with our Skeleton High Shelf, also with two or three-burner gas stove attachment.

WRITE FOR PRICES.





## No. 70 ASTOR

### MEASUREMENTS:

Covers .....	six 7-inch
Oven—Width .....	14 ½ inches
Depth .....	16 "
Height .....	9 ¾ "
Height of Range.....	27 "
Dimensions of Top.....	22x33 "

### SPECIAL FEATURES:

Shaking and Dumping Grate  
Oven Shelf  
Clean-out Plate in Oven  
Interchangeable Doors  
Reed Check Damper

### ORNAMENTATION:

Nickel Name Plate  
Nickel Knobs.

One size, 7-inch, Portable only.

For flats and apartment houses. Furnished for either right or left-hand water-back. Skeleton low warming closet only.

Furnished with our Skeleton High Shelf, also with two or three-burner gas stove attachment.

WRITE FOR PRICES.



### No. 70 ASTOR

Illustration of our Astor Range with Horizontal Boiler.

The galvanized iron fittings are made from our own patterns.

The galvanized iron side pipes are cut to the proper lengths, and no cutting of pipes nor extra unions are necessary.

**WRITE FOR PRICES.**





## No. 50 ASTOR

### MEASUREMENTS:

Covers .....	five 7-inch
Oven—Width .....	14 ¼ inches
Depth .....	14 ¾ "
Height .....	10 ¼ "
Height of Range.....	27 "
Dimensions of Top.....	31 ½ x 22 "

### SPECIAL FEATURES:

Interchangeable Doors  
Shaking and Dumping  
Grate

Front Oven Shelf  
Check Wheel in Top

### ORNAMENTATION:

Nickel Name Plate  
Nickel Knobs

One size, 7-inch, Portable only.

Made with right or left-hand water-backs. Skeleton low closet only.

Check wheel in top may also be used for boiling.

Absolutely the finest flat and apartment house range of its size ever introduced.

Our 18-gallon Galvanized Horizontal Boilers are adaptable to this range.

WRITE FOR PRICES.





## No. 45 ASTOR

### MEASUREMENTS:

Covers .....	five 7-inch
Oven—Width .....	13 ½ inches
Depth .....	16 ¼ "
Height .....	9 ¼ "
Height of Range.....	26 ½ "
Dimensions of Top.....	31 ½ x21 "

### SPECIAL FEATURES:

Shaking and Dumping Grate  
Interchangeable Doors  
Clean-out Plate in Oven Bottom  
Clean-out Door in Front

### ORNAMENTATION:

Nickel Name Plate  
Nickel Knobs  
Nickel Number Card

Suitable for flats and apartment houses. Portable only. Skeleton closet only, with water-back. Right and left-hand fire.

Can be supplied with Skeleton High Shelf, or Gas attachment, or Boiler Brackets with 18-gallon Horizontal Boiler.

WRITE FOR PRICES.



### **"PERFECT" PORTABLE RANGE**

Showing Upper Wrought Steel Closet and End Gas Oven and Broiler with  
Three Gas Burners on Top.

Can Be Fitted with Ash Chute.

Length over all (including gas pipe) 54½ inches.

Gas attachment 14 inches wide.

Top or End Gas Attachments can be fitted to all Perfect Ranges.

(For description see page 24.)

**WRITE FOR PRICES.**



### **"PERFECT" PORTABLE RANGE**

**Showing High Gas Oven and Broiler with Drop Shelf, Having Three Burners.**

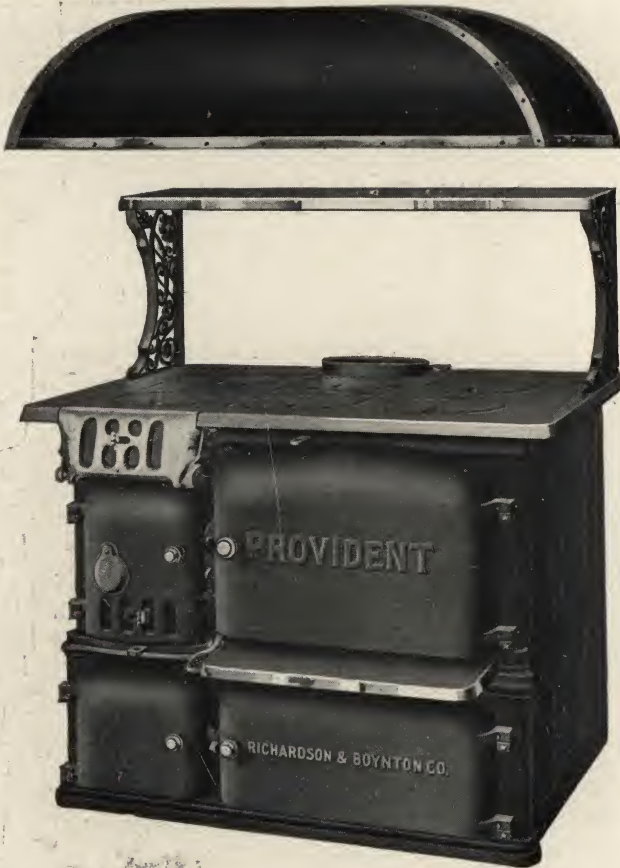
**Can Be Fitted with Ash Chute.**

Height from top of Range to top of Oven  $32\frac{1}{2}$  inches.  
Gas Ovens  $14\frac{1}{4}$  inches deep,  $15\frac{1}{4}$  inches wide, 10 inches high.  
Top or End Gas Attachments can be fitted to all Perfect Ranges.

(For description see page 24.)

**WRITE FOR PRICES.**





**"PERFECT" SINGLE-OVEN RANGE**

Shows Plate Rack and Canopy.

Right or Left Hand Fire Chamber.

Size.	Boiler Holes.	Top.	Oven.
658	6 8-inch	39 x 26	18 x 18
758	6 8-inch	39 x 26	18 x 18
78	6 8-inch	39 ½ x 30	20 x 20
79	6 9-inch	39 ½ x 30	20 x 20

Top or End Gas Attachments can be fitted to all Perfect Ranges.

**WRITE FOR PRICES.**



### **"PERFECT" PORTABLE RANGE**

Can Be Fitted with Ash Chute.

Right or Left Hand Fire Chamber.

Size of Top  $33\frac{1}{2} \times 23\frac{1}{2}$  in. Height  $28\frac{3}{4}$  in. Six Boiler Holes.  
Oven  $16\frac{1}{2} \times 17$  in.

Size.

447—7 in. Holes; W. B. and Lower Closet.

448—8 " " " " " "

547—7 " " " " Less Closet.

548—8 " " " " " "

Plate Racks—Iron.

Canopies—36 inches wide.

For Gas Attachments for above see pages 22x23.

Top or End Gas Attachments can be fitted to all Perfect Ranges.

**WRITE FOR PRICES.**



**"PERFECT" PORTABLE RANGE**

Can Be Fitted with Ash Chute.

Size of Top $33\frac{1}{4} \times 23\frac{1}{2}$ in.	Height $28\frac{3}{4}$ in.
Right or Left Hand Fire Chamber.	Oven $16 \times 17$ in.

Size.

495—7 in. Holes; W. B. and Lower Closet.

498—8 " " " " " "

Plate Racks.

Canopies—36 inches wide.

For Gas Attachments for above see pages 22x23.

Top or End Gas Attachments can be fitted to all Perfect Ranges.

**WRITE FOR PRICES.**





### **"PERFECT" SINGLE-OVEN RANGE**

Showing Plate Rack—Canopy and Base.

Right or Left Hand Fire Chamber.

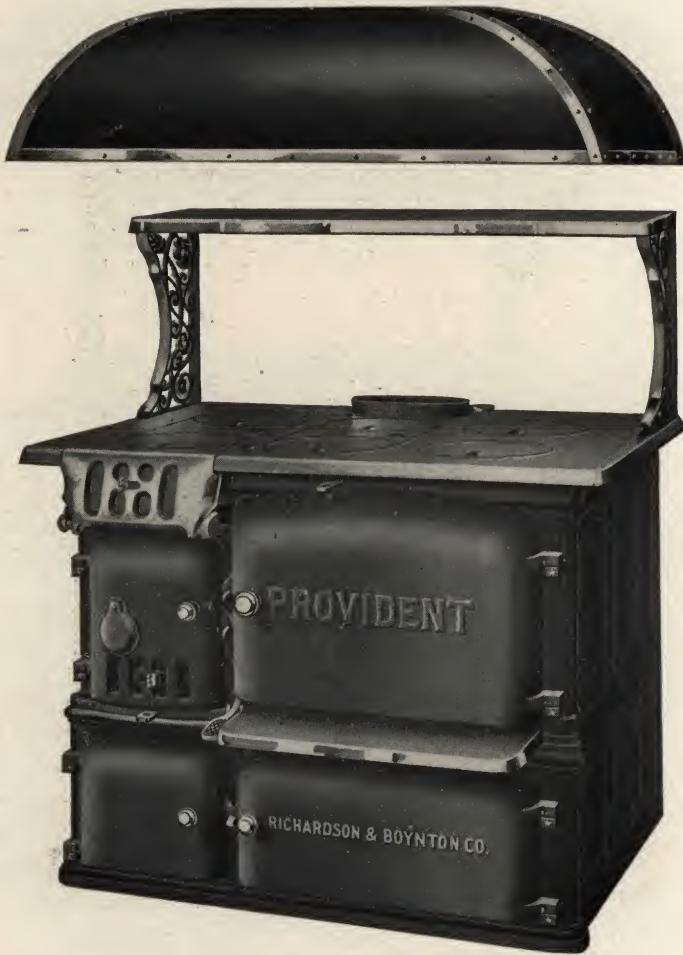
Sizes.	Boiler Holes.	Oven.	Top.
395	.....	16 ½ x 17	33 ¼ x 23 ½
398	6 8-inch	.....	.....

Canopies, 36 inches wide.

Plate Racks for Dishes.

Top or End Gas Attachments can be fitted to all Perfect Ranges.

**WRITE FOR PRICES.**



**“PROVIDENT” SINGLE-OVEN RANGE**

Showing Plate Rack for Dishes and Canopy.

Right or Left Hand Fire Chamber.

---

Size of Top 39x26 in. Height 30 in. Size of Oven 18x18 in.

---

Six 8-inch Boiler Holes.

Sizes.

458—With W. B. and Lower Hot Closet.

558— “ “ “ Base.

Plate Rack for Dishes—Iron.

**WRITE FOR PRICES.**



## **FAULTLESS RANGE**

Showing Range with Shelf and Sheet Iron Back.

Can also be furnished with Nickel Trimmed Steel Roll Top Closet.  
Also Top or Side Gas Attachment. With or Without Oven Thermometer.

Nos. 518, 520, 618 and 620.

(For dimensions see page 30.)

**WRITE FOR PRICES.**

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## FAULTLESS RANGE

New Plain Finish.

These Faultless Ranges are made with the latest and most approved appliances, and in design and construction are unsurpassed.

The arrangement for renewing the grates is conceded to be unequalled. The flues are large and very free working, and **quick baking** is positively guaranteed.

Every range has a **sectional cover**, **oven-door opener**, large lower warming closet, ash pan, damper box and damper, nickeled oven-shelf and fire door shelf and broiler door.

Made with either Right or Left Fire-Box.

With Water Back, Brick Set or Portable.

No.	Size of Top, Inches.	Height, Inches.	Holes.	Size of Oven, Inches.	Style of Grate.
518	37 ¼ x 27 ½	30 ½	Six 8-inch	18x18x12 ½	Triplex
520	39 x 29 ½	31 ½	" 8-inch	20x20x12 ½	"
618	37 ¼ x 27 ½	30 ½	" 8-inch	18x18x12 ½	Duplex
620	39 x 29 ½	30 ½	" 8-inch	20x20x12 ½	"

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## FAULTLESS RANGE

500 Series.

With Water Back.

Full Closet Style.

Showing Range with Upper Steel Closet.

Right or Left Hand Fire Chamber.

No.	Size of Top, Inches.	Height, Inches.	Holes.	Size of Oven, Inches	Brick-Set Opening, In.
507	35x25	30	Six 7-inch	16 ½ x 16 ½ x 11 ½	32x12
508	35x25	30	Six 8-inch	16 ½ x 16 ½ x 11 ½	32x12

WRITE FOR PRICES.



## FAULTLESS RANGES

With Water Back. Portable and Brick Set.  
400 Series.

Full Closet Style.

Showing Range with Shelf and Gas Attachment.

Right or Left Hand Fire Chamber.

No.	Size of Top, Inches.	Height, Inches.	Holes.	Size of Oven, Inches.
400	32 ¼ x 22 ½	26 ½	Six 7-inch	14 ½ x 14 ½ x 10 ½
410	33 x 25	29	" 7-inch	16 x 16 ½ x 12 ½
420	35 x 25	29	" 8-inch	16 x 16 ½ x 12 ½

WRITE FOR PRICES.





## **FAULTLESS RANGES**

**With Water Back.**

**400 Series.**

**Skeleton Low Closet Style.**

**This style is not made for Brick Setting.**

A modern and up-to-date Range adapted for flat houses and small apartments.

(For description and measurements see page 32.)

**WRITE FOR PRICES.**



## MAJESTIC PERFECT RANGES

**Features:** Beautiful in design; simple in construction; lift-off nickel.

For Wood or Coal.

	Covers.	Oven.
No. 8-16.....	Six 8-inch	16 x 17 x 11
No. 8-18.....	Six 8-inch	18 x 19 x 11½

In the manufacture of the Majestic Perfect Range we have spared neither time or expense. Being of Sheet Flue Construction, we guarantee positive combustion.

A high class Range with up to date lift-off nickel beautifully designed.

**WRITE FOR PRICES.**



## ONYX PERFECT

A new high-grade Range of superior quality and furnished with Lift-Off Nickel.

8-18 and 8-20 made for wood or coal.

	Covers.	Oven.
No. 7-14.....	Six 7-inch	14 x 14 x 10 ½
No. 8-16.....	" 8-inch	16 x 16 x 10 ¾
No. 8-18.....	" 8-inch	18 x 18 x 11
No. 8-20.....	" 8-inch	20 x 20 x 12

The Onyx Perfect Range is an up-to-date range, well constructed, with lift-off nickel. Guaranteed to give entire satisfaction. A beautifully designed range at a medium price.

**WRITE FOR PRICES.**





### ONYX PERFECT RANGES

With No. 3 High Shelf and Reservoir.

For soft coal, hard coal or wood. Made with left-hand fire box only.

(For further description see page 35.)

WRITE FOR PRICES.



## NEW AVON

MEASUREMENTS:					Size of Oven.	Length of Fire Chamber.
For Coal,	No. 77.	Five	7-inch	Holes.....	14x14 $\frac{3}{4}$ x9	12
	No. 88.	"	8-inch	" .....	16x17 x9 $\frac{1}{2}$	13 $\frac{1}{2}$
For, Wood,	No. 77.	"	7-inch	" .....	14x14 $\frac{3}{4}$ x9	16 $\frac{1}{4}$
	No. 88.	"	8-inch	" .....	16x17 x9 $\frac{1}{2}$	19

### SPECIAL FEATURES:

Top End Shelf  
Reversible Pipe Collar  
Interchangeable Doors  
Shaking and Dumping  
Grate

Drop Front Grate  
Clean-out Door in Front  
Clean-out Plate in Oven  
Bottom  
End Draft and End Check

### ORNAMENTATION:

Nickel Oven Shelf  
Removable Nickel Top Band  
Nickel Knobs  
Nickel Name Plate  
Deep Cabinet Base

Brand new. Unsurpassed for beauty of castings and artistic finish.  
Positively the most attractive range of its class on the market.

WRITE FOR PRICES.



## NEW BRONX—OPEN END

### MEASUREMENTS:

				Fire Chamber. Size of	Oven. Length of
For Coal, No. 77.	Five	7-inch	Holes.....	14x14 $\frac{3}{4}$ x10	12 inches
No. 88.	"	8-inch	" .....	16x17 x10 $\frac{1}{2}$	13 $\frac{1}{2}$ "
For Wood, No. 77.	"	7-inch	" .....	14x14 $\frac{3}{4}$ x10	16 $\frac{3}{4}$ "
No. 88.	"	8-inch	" .....	16x17 x10 $\frac{1}{2}$	19 "

### SPECIAL FEATURES:

Fire End Hearth  
Top End Shelf  
End Brollor Door  
Open End Door  
Foot Opener  
One Sectional Cover

Reversible Pipe Collar  
Drop Front Grate  
Shaking and Dumping Coal  
Grate  
Clean-out Door in Front  
Clean-out Plate in Oven  
Bottom

### ORNAMENTATION:

Nickel Oven Shelf  
Removable Nickel Top Band  
Nickel Name Plate  
Nickel Knobs

Fitted with either flat or dock-ash grate. The end grate is brick lined.

WRITE FOR PRICES.



93, 95 & 97 Rockwell Place, near Flatbush Avenue.



## ASTOR GAS RANGE 1100 SERIES

### Measurements.

No.	Size of Upper Oven, Inches.	Height of Range.	Length of Range with two Top Shelves.
1135	16 x 16 ½ x 12	34 inches	35 ½ inches
1140	18 ¼ x 18 ½ x 12	34 "	38 "
1164	16 x 16 ¼ x 11	32 "	35 ½ "
1165	16 x 16 ½ x 10	32 "	35 "
1168	18 x 18 ¼ x 11	32 "	37 ½ "

### SPECIAL FEATURES:

Two Top End Shelves  
Removable Oven  
Four easily removable star  
drilled Solid Top Burners,  
including Giant Burner  
Simmer Burner  
Patent Open Oven Door  
Lighter

Top Vent Collar  
Drilled Pipe Oven Burners  
in two Sections  
¼ Turn Lever Cocks  
Air Mixers cast to the  
burners  
Automatic Drop Oven Shelf

Interchangeable Doors  
Two-piece Top Grating  
Slightly Raised  
Nickel Name Plate  
Nickel Door Handles  
¾-INCH NICKELLED  
FRONT BAR

The flue construction and burners have been approved by gas companies. The oven linings are self-binding and may be removed by lifting up the bottom plate. The doors of the ranges swing to the left.

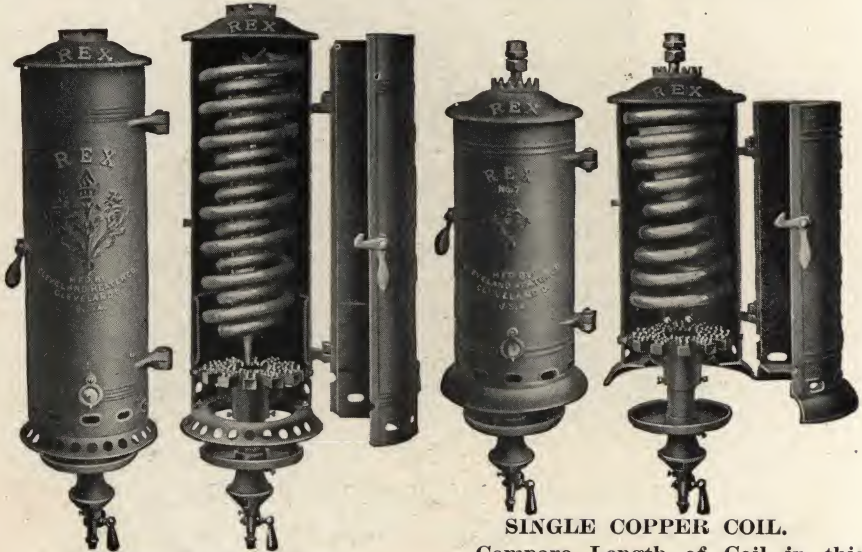
The body of high grade steel with asbestos lining. Full-flued.

WRITE FOR PRICES.

## REX WATER HEATER

In selling Hot Water Heaters, it is an advantage to the dealer to handle a line which is superior and better known than others, yet, which can be sold as cheaply and at as great a profit as less desirable brands.

The REX WATER HEATER combines the best Heater values on the market. It is made of the best quality of materials. Its construction has advantages which make for greater durability, rapidity of heating and economy of gas consumption than any other heater. Every REX HEATER is absolutely guaranteed against defects in workmanship and material.



**DOUBLE COPPER COIL.**  
**No. 60 G. Heater.**

Diameter 7 inches  
Height 25 inches  
Length of Tubes 20 feet  
2 Tubes brazed into one-inch outlet.

**SINGLE COPPER COIL.**

Compare Length of Coil in this heater with all competing heaters at the same price.

Heater. No. of	Diam.	Size of Tube.	Length of Tube.
6	7-inch	$\frac{3}{4}$ -inch	11 $\frac{1}{4}$ feet
7	7-inch	$\frac{3}{4}$ -inch	13 $\frac{1}{4}$ feet



**No. 1.**  
**SINGLE COPPER COIL.**  
**Sheet Iron Jacket.**  
(Closed View.)



**No. 1.**  
**SINGLE COPPER COIL.**  
**Sheet Iron Jacket.**  
(Open View.)

WRITE FOR PRICES.





## **"PERFECT" FIRE PLACE HEATER**

**A Revertible Flue and Base Burning Heater of Great Heating Capacity.**

**With Nickeled Round or Square Frames.**

Adapted only for hard coal. For heating room it sets in, and with pipe connections placed in chimney flue to also heat rooms directly above. Most powerful heater made.

Opening required for body of heater in the mantel: 2 feet 7½ inches high, 2 feet 4 inches wide, 1 foot 3 inches deep.

Size 5, with nickeled frame.

Frames are: Oval, Square or French corners.

Dimensions: 33⅝ inches high and 33 inches wide.

**WRITE FOR PRICES.**





## **“PREFECT” FIRE PLACE HEATER**

**A Revertible Flue and Base Burning Heater.  
With Nickered Frames—Square or Round.**

Supplied only for hard coal. For heating room it sets in, and with pipe connections placed in chimney flue to also heat rooms directly above.

Opening required for body of heater in the mantel: 2 feet 5 inches high, 2 feet 1 inch wide, 1 foot 4½ inches deep.

A medium price heater. To meet demand of the trade.

**WRITE FOR PRICES.**



### ASTOR FRANKLIN No. 14

Fire Place Heater. With Black Frame. Round or Square.

#### MEASUREMENTS:

Height from floor to top of frame.....	32 <sup>7</sup> / <sub>8</sub>	inches
Width of frame.....	30 <sup>3</sup> / <sub>4</sub>	"
Diameter of fire pot or fire surface.....	13 <sup>1</sup> / <sub>2</sub>	"
Diameter of grate.....	12	"
Smallest opening in wall, capable of inserting heater:		
Height .....	30	"
Width .....	23	"
Depth .....	11	"

#### SPECIAL FEATURES:

Revertible Flue  
Draw Center Grate  
Ash Pan  
Check Damper

Front Grate  
Anti-clinker Door  
Air-tight Registers  
Self-feeding Magazine

#### ORNAMENTATION:

Nickel Dome Swing Cover  
Nickel Name Plate and  
Number Plate  
Nickel Fret Work  
Nickel Foot Rails  
Nickel Knobs

WRITE FOR PRICES.



### **"KIT" CYLINDER STOVE**

The most popular low-priced cylinder stove in the market. Full size. Has square base, large ash-pit opening, bolted legs, ornamented castings, embossed body, bronzed metal urn, shaking and dumping Grate and detachable grate rest. Carefully bricked and thoroughly mounted.

Made in four sizes only, Nos. 8, 9, 10 and 11.

**WRITE FOR PRICES.**





### **FLIRT "C"**

#### **SPECIAL FEATURES:**

Shaking and Dumping Grate  
Deep Ash Pit  
Ash Pan  
Anti-clinker Front Grate  
Interchangeable Doors  
Check Draft Slide  
Inside Cover

#### **ORNAMENTATION:**

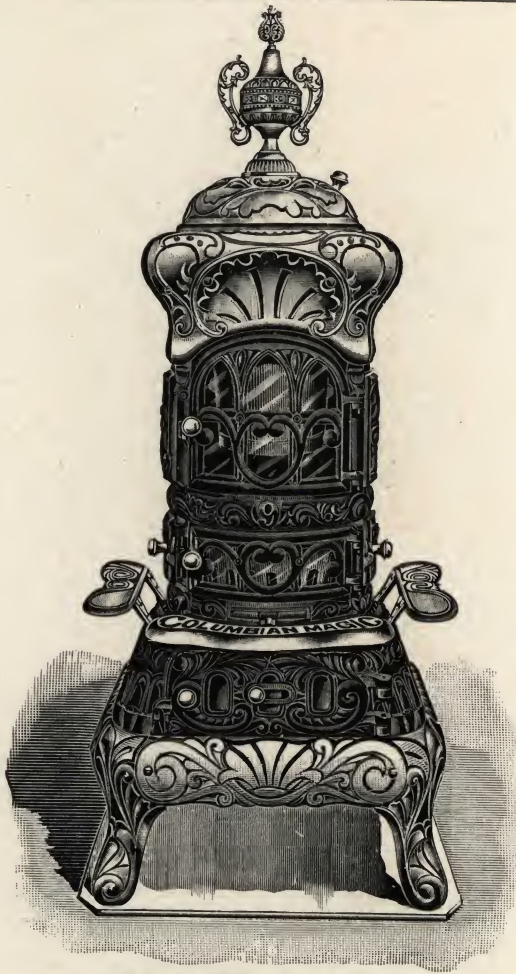
Nickel Foot Rails  
Nickel Ring  
Russia Body  
Top Ornament

Positively the handsomest cylinder stove on the market to-day. From the day the Flirt stove was first introduced it has been the most popular stove of its class, and our 1910 model is more attractive than ever.

The regular Flirt "C" is supplied with nickel rails and nickel ring.

Made in six sizes only, Nos. 9, 10, 11, 12, 14 and 16.

**WRITE FOR PRICES.**



## COLUMBIAN MAGIC

Direct Draft.

The Nickel Top Cover and Urn are securely fastened to the Cast Swing Cover. The Nickel Plate Dome may be removed at pleasure. Sheet Steel Body inside to prevent coloring. Nickel Name Plate, Foot Rails, Feet and Skirting. Bold and impressive figured Illumination Doors. Large Ash Pan, Centre Draw and Shaking Grate. Feeder removed without the removal of a single bolt. Remove the front tie bar underneath the upper front door and you open the front for the removal of the Fire Pot.

No.	Height to Top of Pipe Collar.	Height Less Urn.	Fire Pot. Inches.	Size of Pipe.
9.....	29	36 ½	9	5 inches
11.....	30 ½	38 ½	10 ½	5 "

WRITE FOR PRICES.



### CHARLES TISCH SUPERB

A first-class stove at a moderate price; handsome in design; neatly nickeled and made of the best materials, suited to the use of hard coal, soft coal or wood.

This stove has a smoke collar on the rear and is made air tight by the use of two 4-inch screw dampers; one in the feed door and one in the ash pit door. The feet are bolted fast and each stove is furnished with an ash pan. The body of the stove is made of 18-gauge blue steel and the fire pot is heavy and corrugated.

The nickeled trimmings on this stove are nickeled swing cover, nickeled steel top band, nickeled screen foot rail covering fire pot, nickeled name plate and two nickeled screw dampers.

	Height to Top of Stove.	Weight.
No. 11.....	42 inches	65 lbs.
No. 13.....	45 inches	85 lbs.
No. 15.....	48 inches	98 lbs.
No. 17.....	50 inches	129 lbs.

WRITE FOR PRICES.





Four Sizes, Nos. 35, 45, 55, 65.  
Diameter of Fire Pot, 13, 15, 17, 19 inches. Self-Feeder.

Castings Highly Ornamented.  
With or without Sheet Iron Top.

### ASTOR GEM

A NEW IDEA! A NEW CLASS OF STOVE! Designed for stores, offices, elevated and surface railroad stations, saloons, restaurants, club rooms, hotels, chapels, lecture rooms, lodge rooms, sitting and reception rooms.

It combines essential features of the self-feeding parlor stove with the large fire-capacity of the globe stove, it avoids, however, expensive parts of the parlor stove and the rough and uncouth elements of the ordinary globe stove, resulting in a construction highly artistic, of great heating power, moderate in price and absolutely different from any stove heretofore produced.

WRITE FOR PRICES.



## SMARTY

The Smarty is a thoroughly modern Globe stove. It contains a Shaking and Dumping Grate, easily operated. Either Hard or Soft Coal may be used. It is made of first-class iron only, insuring a strong and durable stove.

No. 60.	Diameter	of	Fire	Pot.....	8 1/2 inches
No. 70.	"	"	"	" .....	8 3/4 "
No. 80.	"	"	"	" .....	10 "
No. 90.	"	"	"	" .....	11 "
No. 100.	"	"	"	" .....	12 "
No. 110.	"	"	"	" .....	13 "

WRITE FOR PRICES.





## RED CLOUD

Boiler Top.

For Any Kind of Coal.

Heavy cast corrugated globe stove. For railroad depots, signal houses, ferry houses, bar rooms, lofts and stores. The four largest sizes have interchangeable doors.

A sheet iron top can be put on without extra castings.

FEATURES—Guard Rail, all sizes; Shaking and Dumping Grate, four smaller sizes; Draw Center Grate, four larger sizes; Anti-clinker Front Grate, four larger sizes.

Six sizes.....	No. 9	No. 10	No. 11	No. 12	No. 14 D	No. 16 D
Fire surface.....	11 in.	12 in.	13 in.	14½ in.	17 in.	18½ in.
Grate surface.....	7 in.	8 in.	9 in.	10 in.	12 in.	14 in.

WRITE FOR PRICES.





## ATLAS

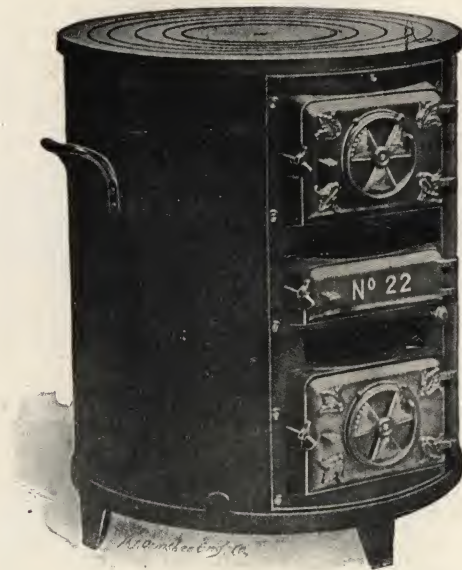
**FEATURES**—Draw center grate, swing feed door, check damper, large ash pit.

Adapted for Railroad Stations, Saloons, Large Stores, or any place where considerable space is necessary to heat.

Can be furnished with extra drum at top at a slight extra cost.

No. 13.	Diameter of Fire Pot.....	13 inches
No. 15.	“ “ “ “ .....	15 “
No. 17.	“ “ “ “ .....	17 “
No. 20.	“ “ “ “ .....	20 “

**WRITE FOR PRICES.**



## CANDY FURNACES

Are the latest and most improved, used by bakers and confectioners. Made from the best materials. Feet are cast solid on bottom. Brick  $2\frac{3}{4}$ -inch thick. Heavy grates and bed plates, and top rings. Wrought iron handles. Cast iron smoke collar, with draft register and check draft. Solid front, mounted on heavy steel body. Approved by insurance companies.

	Diameter.	Largest Opening.	Diameter Inside Brick.
No. 16.....	16 inches	13 inches	11 inches
No. 19.....	19 "	16 "	13 $\frac{1}{2}$ "
No. 22.....	22 "	18 "	16 "
No. 24.....	24 "	21 "	19 "

WRITE FOR PRICES.



## SWEETMEAT STOVES

Used by Bakers, Confectioners and Laundries

Three Sizes—Nos. 1, 2 and 3.

No. 1 has 12-inch hole, with rings to reduce to 9-inch.

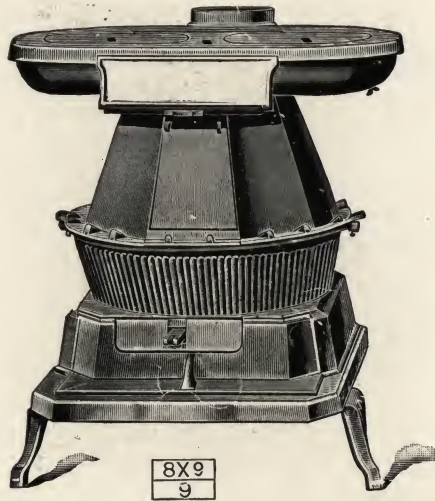
No. 2 has 14-inch hole, with rings to reduce to 9-inch.

No. 3 has 16-inch hole, with rings to reduce to 9-inch.

The Sweetmeat has a cast-iron body, well lined with heavy fire brick. It is especially designed for Confectioners' use, but also may be used as a Laundry Stove, or for any purpose where a large boiler is needed. Grate and frame draw out through ash-pit door.

WRITE FOR PRICES.



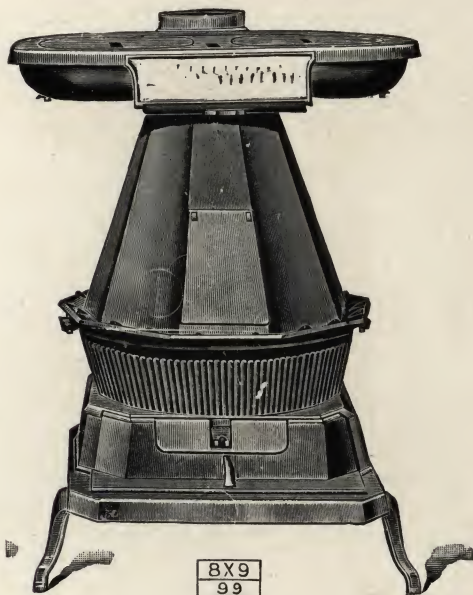


### TISCH LAUNDRY STOVE

A square base Laundry with Pouch Feed Door on top. Can be opened without disturbing wash boiler. Feed-door in cone; made to hold nine irons; draw center grate; brick lined.

No.	Top.	Height of Cone.	Circum. of Pipe Collar.	No. of Irons.	Height.
8 x 9	22 x 13 ½	7 ½	14	9	23 ¾

WRITE FOR PRICES.

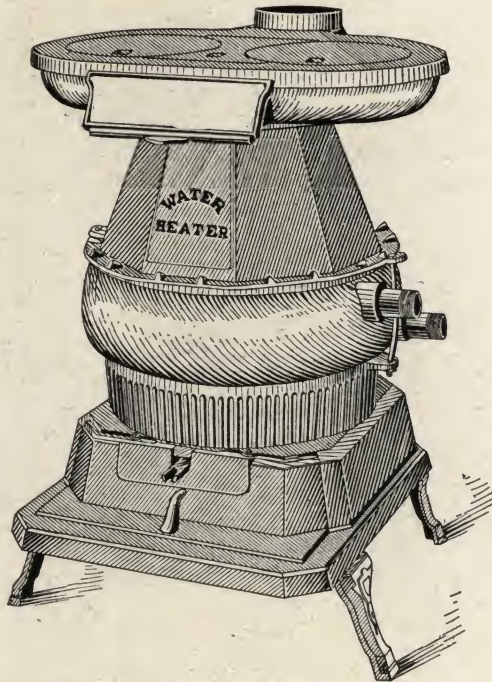


## TISCH LAUNDRY STOVE

No.	Top.	Height of Cone.	Circum. of Pipe Collar.	No. of Iron.	Height.
99	22 x 13 ½	12 ½	14	9	28 ¾

The same Laundry as No. 8 x 9 with exception that the No. 99 has high Cone adapted for Large Irons.

WRITE FOR PRICES.



## TISCH LAUNDRY WATER HEATER

A long looked for article for Laundry. The construction of this heater is such that an abundance of hot water is supplied. The Water Jacket is above the brick allowing no ashes to accumulate around same. Guaranteed to heat up to and including 60 gallons of water.

Draw center grate; brick lined; drop feed doors in top and upper heat up to and including 60 gallons of water.

No.	Weight.	Top.	Height of Cone.	Circum. of Pipe Collar.	No. of Irons.	Height.
8 x 9	104	22 x 13 ½	7 ½	14	9	23 ¾
99	112	22 x 13 ½	12 ½	14	9	28 ¾

WRITE FOR PRICES.





## **"PERFECT" LAUNDRY STOVE AND GARBAGE BURNER**

(Patented.)

The only perfected device for family use of a Garbage Disposal Plant; a "Perfect" Laundry Stove and an effective Water Heating Plant for supplying hot water for family use—all in one apparatus.

The "Perfect" Laundry Stove and Garbage Burner evaporates and converts all refuse into a combustible condition; is then reduced into an odorless ash, without emitting odors or creating a nuisance or an unsanitary condition.

Heats the flat irons; boils the clothes; and, at the same time, completely destroys all vegetable garbage without any odors. Water Heaters capable of heating house boilers for baths and household uses of from 60 to 100 gallons capacity can be furnished.

Height to top.....	28 inches
Height to smoke collar.....	33 " *
Size of floor space required.....	24x29 "
Garbage Holder.....	16 inches long
" " .....	8 " wide
" " .....	8 " high

**WRITE FOR PRICES.**



## “THATCHER TUBULAR” FURNACE

Eight Sizes—Portable and Brick-Set.

The ratings given below are conservative. The catalogue ratings of many of the cheaper grades of furnaces are often over estimated and not based on their actual capacities, which frequently leads to serious results.

No. of Furnace.	Height of Castings, Inches.	Diameter of Castings, Inches.	Dia. of Upper Casings, Inches.	Dia. of Lower Casings, Inches.	Diameter of Smoke Collar Inches.	Heating Capacity Cubic Feet.
32	52	27	36	32	6	8,000 to 12,000
38	52	32	38	38	7	10,000 “ 16,000
42	53	37	42	42	7	16,000 “ 22,000
46	55	39	46	46	8	20,000 “ 30,000
50	58	42	50	50	8	30,000 “ 40,000
54	59	45	54	54	8	40,000 “ 50,000
58	62	48	58	58	9	60,000 “ 80,000
62	64	53	62	62	9	65,000 “ 85,000

The above ratings are approximate. In determining the size of furnace suitable for heating a building; the number and size of pipes taken from it, the amount of glass surface in the building and the conditions to which the walls are exposed should be considered

WRITE FOR PRICES.





## "METEOR" WARM AIR FURNACE

### Dimensions.

No. of Furnace.	Diameter of Casing, Inches.	Height of Castings, Inches.	Diameter of Radiator, Inches.	Depth of Radiator, Inches.	Diameter of Fire Pot, Inches.	Smoke Collar, Inches.
208	28	44 ½	23	12	16	6
302	32	47 ½	26 ½	12	18	6
306	36	49	30 ½	12	20	7 ½
400	40	50	34 ½	12	22	8
404	44	54	39	14	24	8
408	48	55 ½	42	14	26	8

WRITE FOR PRICES.





## "ACTIVE" WARM AIR FURNACE

The body is made of steel plate and is fitted with our patent triangular revolving grate.

Three Sizes—Portable.

Number of Furnace.	Height of Furnace Inches.	Dia. of Casing Inches.	Dia. of Fire Pot Inches.	Diameter of Smoke Collar, Inches.
332	52	32	18	6
336	54	36	20	7
340	56	40	22	7

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## ASTOR WARM AIR FURNACE

Showing the interior construction of the furnace. Portable only.



Grate can be removed without disturbing other parts. Has all Modern Improvements.

### DIMENSIONS, CAPACITY, ETC.

	No. 228.	No. 232.	No. 236.	No. 240.	No. 244.
Height to top of radiating drum...	4 ft. 1¾ in.	4 ft. 4 in.	4 ft. 6½ in.	4 ft. 7½ in.	4 ft. 8 in.
Height to bottom of smoke collar	2 ft. 10 in.	3 ft. ½ in.	3 ft. 2 in.	3 ft. 3 in.	3 ft. 3 in.
Height with cases complete.....	4 ft. 5½ in.	5 ft.	5 ft. 3 in.	5 ft. 5 in.	5 ft. 5 in.
Grate surface.....	13¾ in.	15¾ in.	17½ in.	19¾ in.	23 in.
Fire surface.....	17 in.	19 in.	21 in.	23½ in.	25¾ in.
Diameter of casings.....	28 in.	32 in.	36 in.	40 in.	44 in.
Heating capacity, cubic feet.....	10,000	15,000	25,000.	35,000.	45,000

Has Triplex Removable Revolving Grate and Interchangeable Doors. The Radiating Drum is made of Heavy Steel Plate with cast-iron top and bottom ring. The draft is controlled by a cast-iron diaphragm, which is bolted to the inside of drum and extends near to the top, causing the products of combustion to rise to the highest part of radiator before escaping to the smoke flue. Powerful and durable and mounted with cold handles to doors.

After shaking the grate it is impossible to remove the shaker except when the flat surfaces of the grate are uppermost.

WRITE FOR PRICES.





## STORM KING WARM AIR FURNACE

### Measurements.

No.	Height to Top of Radiator.	Height to Bottom of Smoke Collar.	Height with Cases Complete.	Grate Surface.	Fire Surface.	Number of Grate Bars.	Diam. of Casings.
228	49 $\frac{3}{4}$ in.	39 $\frac{1}{8}$ in.	58 $\frac{1}{2}$ in.	13 $\frac{3}{4}$ in.	17 in.	3	28 in.
232	50 $\frac{5}{8}$ "	41 "	61 $\frac{1}{2}$ "	15 $\frac{3}{4}$ "	19 "	3	32 "
236	53 "	43 $\frac{1}{4}$ "	65 $\frac{1}{2}$ "	17 $\frac{1}{2}$ "	21 "	4	36 "
240	55 "	45 $\frac{3}{8}$ "	68 $\frac{1}{4}$ "	19 $\frac{5}{8}$ "	23 $\frac{1}{8}$ "	4	40 "
244	57 $\frac{1}{2}$ "	46 $\frac{3}{4}$ "	68 $\frac{1}{4}$ "	27 "	25 $\frac{3}{4}$ "	5	44 "
254	59 "	6 "	71 "	23 "	30 "	6	54 "

WRITE FOR PRICES.





## FAULTLESS

Low-Down Cast Iron Furnace. Strictly First Class

For Hard or Soft Coal.

Nothing Like It.

Has No Equal.

### Dimensions.

No.	Diameter of Casings.	Diameter of Fire Pots.	Diameter of Grates.	Diameter of Radiator.	Height of Castings.	Height with Casings.
540	40 in.	17 in.	17 in.	34 in.	40 in.	52 in.
544	44 "	19 "	19 "	37 ½ "	42 "	54 "
550	50 "	22 "	22 "	43 "	44 "	56 "

WRITE FOR PRICES.



Steel Radiator

COMFORT FURNACE

Is a Remarkable Success

Six Sizes Portable.

Three Sizes Brick-Set.

No.	Diameter of Casings.	Diameter of Fire Pot.	Diameter of Radiator.	Depth of Radiator.	Height of Furnace.	Height with Cases.
328	28 in.	16 in.	23 in.	12 in.	3 ft. 7 ½ in.	4 ft. 4 in.
332	32 "	18 ¼ "	27 ½ "	12 "	3 " 9 "	4 " 6 "
336	36 "	20 "	31 ½ "	15 "	4 " 1 ½ "	5 " 0 "
340	40 "	23 "	35 ½ "	15 "	4 " 4 "	5 " 4 "
345	45 "	26 "	39 "	18 "	4 " 10 "	5 " 10 "
352	52 "	30 "	45 "	18 ½ "	5 " 2 "	6 " 3 "

WRITE FOR PRICES.



## RED CLOUD FURNACE OR DOUBLE HEATER.

### Measurements.

		Diameter of Casings..	Cone Arranged for
No. 14.	Black Casings.....	24 inches	one pipe
No. 16.	" "	28 "	two pipes
No. 18.	" "	32 "	three "
No. 14.	Galvanized "	24 "	one pipe
No. 16.	" "	28 "	two pipes
No. 18.	" "	32 "	three "

Arranged for heating the apartment where placed and, with pipe and register, the room or rooms above.

We can furnish a flat top cone, as illustrated, the top diameter of which is 19 inches for the No. 14 Heater for two pipes, but will send it for one pipe unless otherwise ordered.

**WRITE FOR PRICES.**



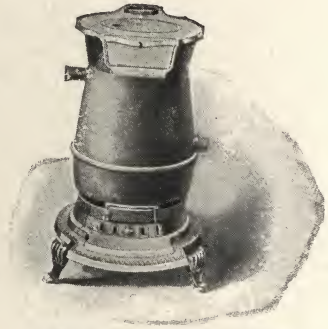
## GIANT TANK AND LAUNDRY HEATERS.



IMPROVED GIANT TANK HEATER.



LITTLE GIANT LAUNDRY HEATER.



LITTLE GIANT TANK HEATER.

IMPROVED GIANT TANK HEATER. (For all Kinds of Fuel.)

No.	Height of Boiler, Inches.	Outside Diam. of Boiler, Inches.	Size of Grate, Inches.	Diam. of Smoke Pipe, Inches.	Size of Outlet, Inches.	Size of Inlet, Inches.	Tank Capacity**	Radiating Capacity**	Price.
*120	42	15	12	6	2	2	300	225	\$60
†120A	46	15	12	6	2	2	350	250	70
‡120B	46	15	12	6	2	2	400	275	80
*160	45½	19	16	6	2½	2½	450	310	90
†160A	49½	19	16	6	2½	2½	500	350	100
‡160B	49½	19	16	6	2½	2½	575	400	112
*200	49	23	20	7	3	3	675	475	128
‡200B	53½	23	20	7	3	3	800	575	148

\* Brick-lined firepot. † Brick-lined firepot and extra 5-inch water section firepot. ‡ 9-inch extra water section firepot without brick lining.

LITTLE GIANT LAUNDRY HEATER. (For Hard or Soft Coal.)

No.	Height, Inches.	Diam. of Grate, Inches.	No. and Size of Outlets, Inches.	No. and Size of Inlets, Inches.	Size of Smoke Pipe	† Tank Capacities, Gallons.	Cap. of Aver. Size Irons.	Price.
*11	32	12	1¼	1¼	6	50	15	\$30
*23	32	12	1¼	1¼	6	85	15	34
1	32	12	1¼	1¼	6	125	15	34
2	33	16	1½	1½	6	225	20	46

Magazine feed furnished on Nos. 1, 11 and 23. When ordered add \$9.00 to list. \* Com-  
bination brick-lined and cast iron firepot.

LITTLE GIANT TANK HEATER.

No. of Boiler.	Height, Inches.	Diameter, Inches.	Diameter, of Grate, Inside.	Size of Tapping, Inside.	Diameter of Smoke Pipe.	Tank Capacity**	Radiating Capacity**	Price.
*10	32	14	10	1¼	5	80	60	\$34
†12	35	16	12	1¼	5	150	115	40
‡12A	39	16	12	1¼	5	200	150	46
§12B	39	16	12	1¼	5	250	185	54
†16	38½	19	16	1½	6	325	200	64
‡16A	42½	19	16	1½	6	375	250	72
§16B	42½	19	16	1½	6	400	285	76
†20	40½	24	20	2	6	425	300	80
‡20B	44½	24	20	2	6	600	425	108

\* Single section, no brick lining. † Brick-lined firepot. ‡ Brick-lined firepot and extra 5-inch water section firepot. § 9-inch extra water-section firepot without brick lining.

WRITE FOR PRICES.

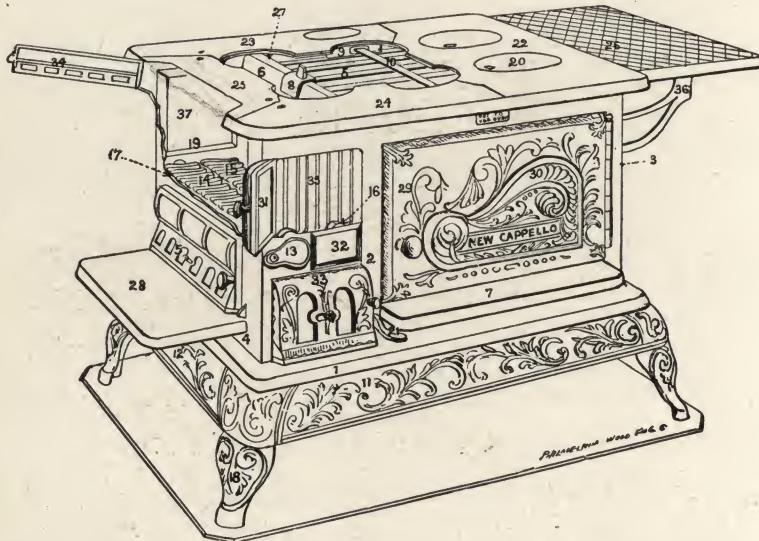
## STOVE, RANGE AND HEATER REPAIRS

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**W**HEN a dealer wants Repairs for either Stove, Range, Heater, Furnace, Steam or Hot Water Boiler, it is essential that he receive them with as little delay as possible. We to-day carry in stock the largest line of the above in New York City, and can furnish at once grates and repairs for almost every heating apparatus in the city. It is impossible to enumerate them in this catalogue. Mail your orders and have our assurance of prompt delivery. It will be our pleasure to furnish the trade any time with information as to cost of repairs for either Range, Furnace, Hot Water Heater, or Steam Boiler. This will enable you, Mr. Dealer, to ascertain the cost of material at once for the purpose of estimating.



## DESCRIPTIVE PARTS OF RANGE



When ordering parts give name, not number, of parts as shown.

- |                                      |  |
|--------------------------------------|--|
| 1. Bottom.                           | 20. Cover.                             |
| 2. Front.                            | 21. Kicker.                            |
| 3. Flue End.                         | 22. Oven End Top, or Flue End Top.     |
| 4. Fire End.                         | 23. Back Collar Top.                   |
| 5. Large Fire End Door.              | 24. Front Top.                         |
| 6. Oven Brick.                       | 25. Tie Bar or Expansion Piece.        |
| 7. Outside Oven Shelf.               | 26. Flue End Top Shelf, or Drop Shelf. |
| 8. Oven Brick Clamp.                 | 27. Fire Plate.                        |
| 9. Roll or Draft Damper.             | 28. Fire End Shelf.                    |
| 10. Oven Damper Rod and Handle.      | 29. Oven Door.                         |
| 11. Long Skirt.                      | 30. Oven Door Panel.                   |
| 12. Short Skirt.                     | 31. Wood Door.                         |
| 13. Shaker Hole Cover.               | 32. Number Plate.                      |
| 14. Shaker Part of Triplex Grate.    | 33. Ash Door.                          |
| 15. Short Part of Triplex Grate.     | 34. Broiling or Feed Door.             |
| 16. Grate Cogs.                      | 35. Front Grate, Front Key.            |
| 17. Brick Rest or Bed Plate.         | 36. Flue End Top Shelf Bracket.        |
| 18. Foot.                            | 37. Key Brick.                         |
| 19. Back Grate Carrier, Under Grate. |  |

(These are front and back.)



## FIRE BOX REPAIRS

For Single Oven Waterback Range.

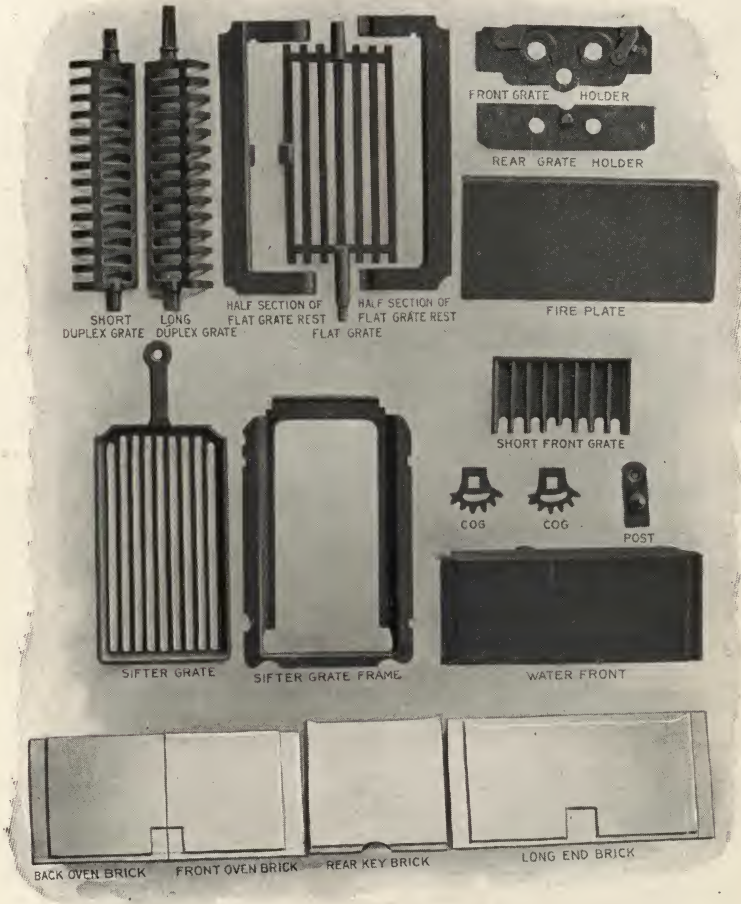


Illustration of parts of Single Oven Waterback Range.

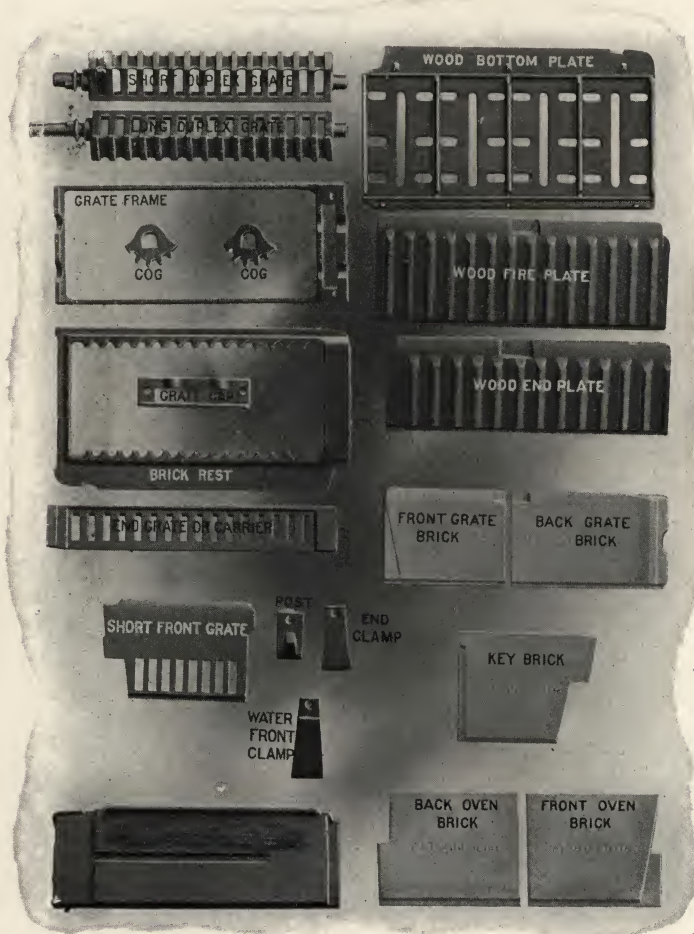
When ordering repairs for this class of range by giving the name of part, as per cut, errors will be avoided.

WRITE FOR PRICES.

CHARLES TISCH

## FIRE BOX REPAIRS

For a Single Oven Leg Range.



When ordering repairs mention the part desired as per the above illustration; this will avoid errors and expedite delivery.

WRITE FOR PRICES.

## SELF-FEEDER STOVE REPAIRS

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**I**N ordering repairs for heating stove, order repairs desired by name and avoid errors and delay in filling your order.

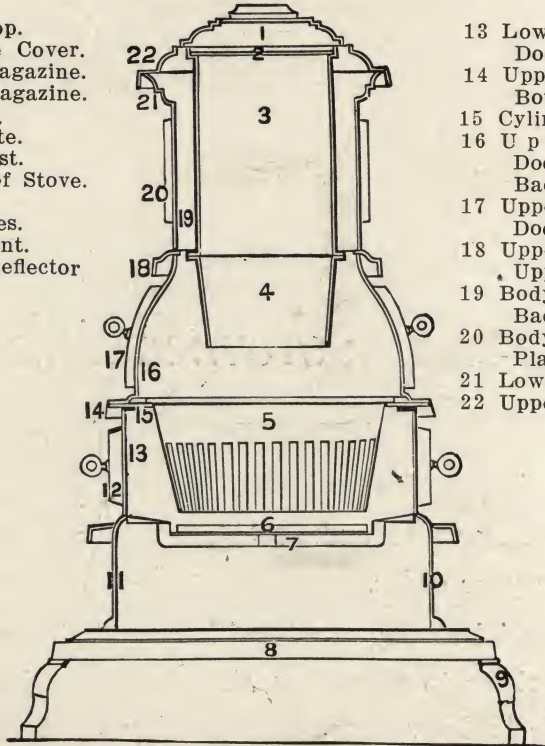
By special arrangements with manufacturers we are in position to procure for the trade repairs not obtainable in New York City at very short notice. Send your orders here no matter if we have them or not.

With our system your orders will receive our very best attention.



## OUTLINE OF PARLOR STOVE

- 1 Swing Top.
- 2 Magazine Cover.
- 3 Upper Magazine.
- 4 Lower Magazine.
- 5 Fire Pot.
- 6 Flat Grate.
- 7 Grate Rest.
- 8 Bottom of Stove.
- 9 Leg.
- 10 Base Sides.
- 11 Base Front.
- 12 Lower Reflector Doors.

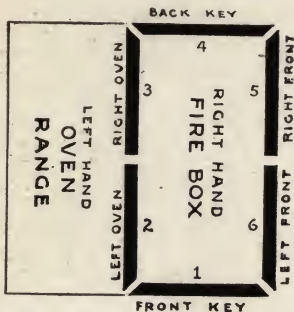


- 13 Lower Reflector Door Stave.
- 14 Upper Reflector Bottom Ring.
- 15 Cylinder Ring.
- 16 Upper Reflector Door Stave, Front, Back or Side.
- 17 Upper Reflector Doors.
- 18 Upper Reflector, Upper Ring.
- 19 Body Panels, Front Back, or Side.
- 20 Body Panels, Nickel Plates.
- 21 Lower Top Ring.
- 22 Upper Top Ring.

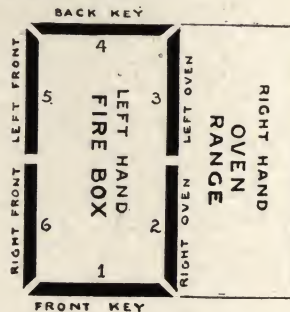
Give name, not number, of part desired; if in doubt give description or drawing.

## BRICK STOVE LINING

Showing Position of Brick in Range.



LEFT HAND OVEN RANGE



RIGHT HAND OVEN RANGE

In ordering parts of sets of Brick, please order by number, as per above cut, and in all cases always mention if for basket, plain or duplex grate; also state if for Water Back.

Always give name, number, date and maker of stove.

Be careful to mention when brick are wanted for a Left Hand Oven Range. Brick numbered 2 and 3, if in one piece, are always considered as two pieces. The same applies to numbers 5 and 6.

## "PERFECT" FRENCH RANGE REPAIRS

Showing Water Backs and Grates.

State length of range in inches. State number of ovens and number of fires in range. State style of water back. See cuts.

Waterbacks for Perfect French Ranges.

No. 1.



Flat Back  
Water Back.

No. 2.



Three-Quarter  
Water Back

No. 3.

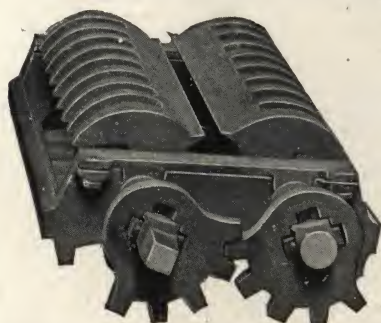


Full Water Back

No. 4.

Same Style as No. 2  
Water Back, but has  
deep end.

When ordering brick state style of waterback in range by No. 1, 2, 3 or 4.

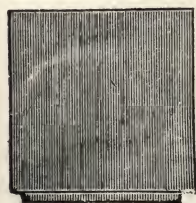


"PERFECT" DUPLEX GRATE AND  
GRATE FRAME IN POSITION.

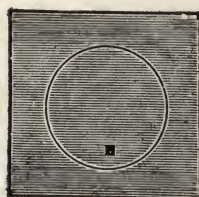
"Perfect" French Ranges are  
made in the following sizes.

Size Feet Long.	Length In Inches.	Fires.	Ovens.
3 1/2	42	1	1
3 1/2	42	1	2
4	48	1	1
4	48	1	2
4 1/2	54	1	2
5	60	1	2
5.2	62	1	2
6	72	1	2
7	84	2	2
8	96	2	2
8	96	2	4

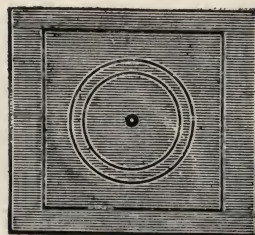
## Styles of Top Pieces on "Perfect" French Ranges



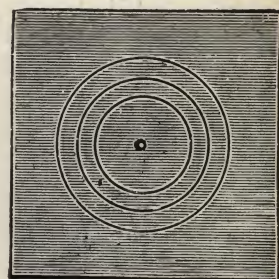
Plain Panel.



Panel with Cover.



Border, with Panel, One  
Ring, and Cover.



Panel with Two Rings and  
Cover.

When ordering Top Pieces for "Perfect" French Ranges, please state  
size in inches of pieces wanted; also, outside diameter of rings and covers.  
Our stock of the above is complete.

WRITE FOR PRICES.



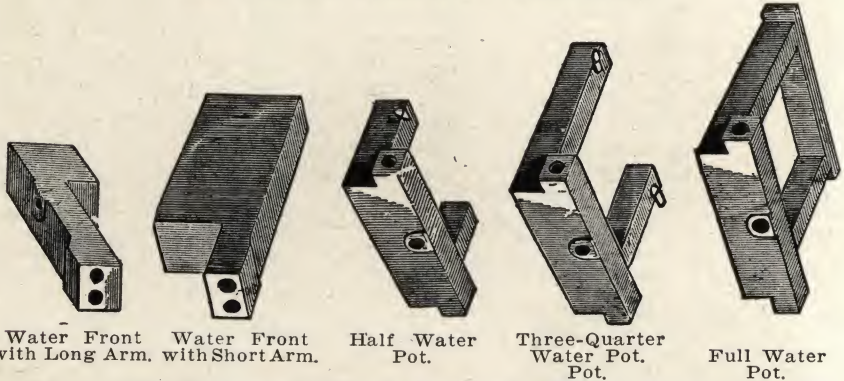
CHARLES TISCH

## BRAMHALL, DEANE & CO. AND DUPARQUET, HUOT & MONEUSE CO. FRENCH RANGE REPAIRS

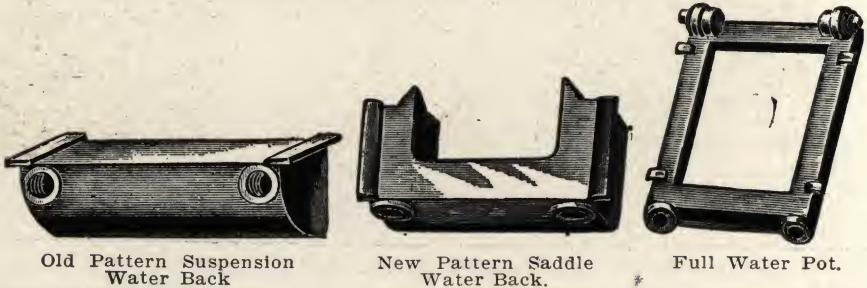
In ordering Repairs for these Ranges, always give the **Letter** on the **Front** of the **Range**. If there is no letter there, then give the length of the Range in inches and the number (if any) on the front Fire Door.

When **BRICKS** or **WATER BACKS** are wanted, be particular to state the kind of Water Back in the range.

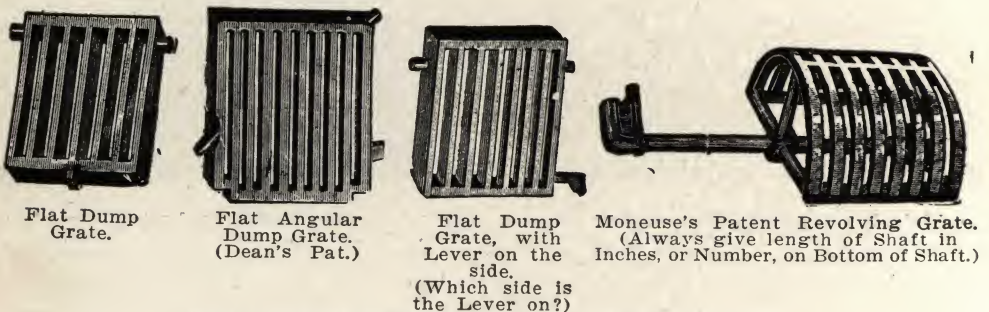
The Bramhall, Deane & Co. Water Backs.



The Duparquet, Huot & Moneuse Co. Water Backs.



When **GRATES** are wanted, state the style of Grate in the Range.  
The Grates are as follows:



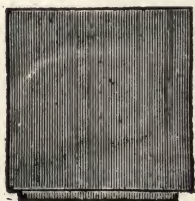
Most Complete Stock of this line in New York City.

WRITE FOR PRICES.

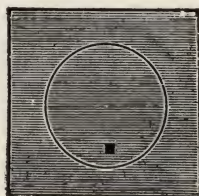


When **TOP PIECES** are wanted for Bramhall, Deane & Co. Ranges, if possible give the pattern number, which is moulded on the under side of the casting, and if the number cannot be found, then give the dimensions in inches. While this information is not always necessary, it will prevent mistakes.

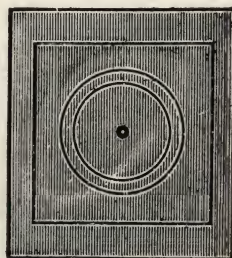
The top pieces are designated as follows:



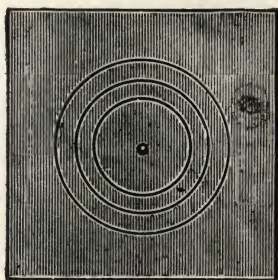
Plain Panel.



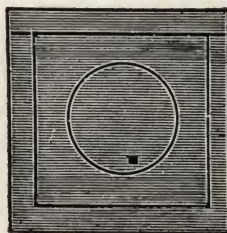
Panel with Cover.



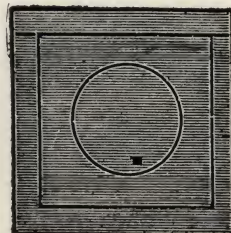
Panel, with One Ring and Cover.



Panel, with Two Rings and Cover.



Border, with Panel and Cover.

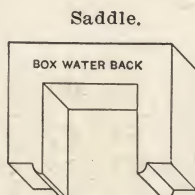


Border, with Panel, One Ring and Cover.

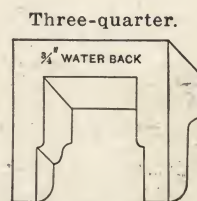
### WATERBACKS AND FIRE BRICK FOR "PERFECT" DOUBLE OVEN RANGES.



Flat.



Saddle.



Three-quarter.

State style of Waterback wanted. It is necessary to know style of Waterback when Fire Brick Lining is wanted.

By complying with this suggestion delays will be avoided.

"Perfect" D. O. Ranges are numbered as follows:

1, 11, 111, 2, 12, 112, 3, 13, 113, 4, 14, 114, 5, 15, 115.

**WRITE FOR PRICES.**

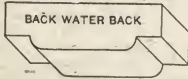
## CHARLES TISCH

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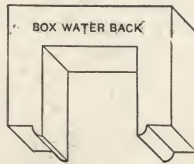
We carry on hand thousands of Waterbacks for all ranges, and are in position to make prompt delivery of any Waterback desired—when in need try us. When ordering for single oven range state whether Waterback is on right or left hand side of range, also date and style of grate.

Double Oven Range Waterbacks are made both Straight and Saddle; when ordering state which style you want.

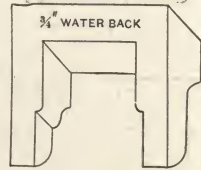
FLAT OR STRAIGHT



SADDLE OR RETURN



$\frac{3}{4}$ " SADDLE OR RETURN



CAST WATER BACK



CAST WATER BACK

Refer to page No. 73 for description of Waterbacks manufactured by Bramhall, Deane & Co., and Duparquet, Huot & Monseus; also page No. 72 for description of Waterbacks of Richardson & Boynton French Ranges.

When ordering follow instructions and avoid mistakes.

WRITE FOR PRICES.



## FURNACE REPAIRS AND PARTS

We have to-day a complete line of Furnace Repairs which not only embrace the Grates and Fire Pots but the minor parts of furnaces.

There are among our stock repairs for a great many out-of-town furnaces, which are not obtainable elsewhere in New York City.

We handle all repairs for Furnaces of New York Manufacturers.

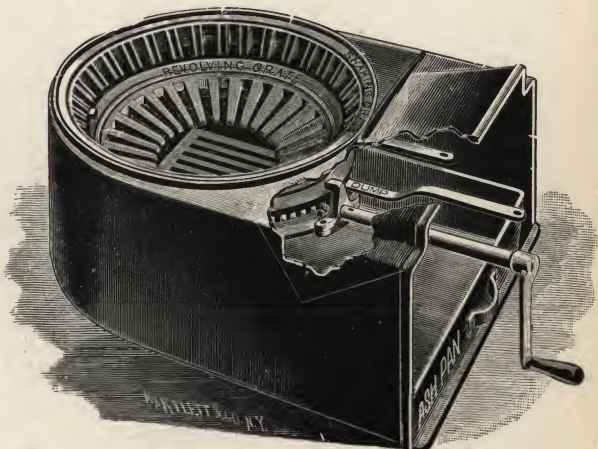
In ordering repairs be particular to state if grate is Draw Center or Grate Bars. State date and give any information which you can find on furnace.

On the following pages will be found description of grate of several manufacturers. To enable us to fill orders correctly, it is necessary that you state, number, date or letter if any. Follow instructions and avoid any unnecessary delay in the filling of your orders.

### THATCHER FURNACE GRATES AND BASES.



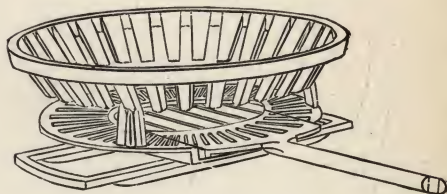
SHOWING THE CONSTRUCTION OF THE IMPROVED RECTANGULAR BAR GRATE.



SHOWING THE CONSTRUCTION OF "THATCHER TUBULAR" DRAW CENTER GRATE SET UP.



SHOWING THE CONSTRUCTION OF THE "THATCHER TUBULAR" ANTI-CLINKER GRATE AND ASH-PIT.



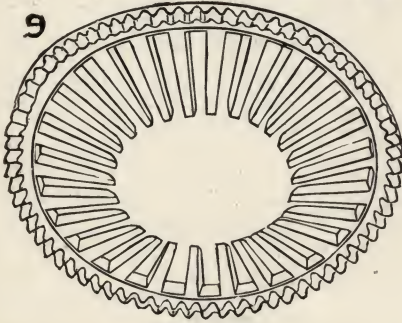
GRATE USED ON "A" SOLID BED STYLE.

WRITE FOR PRICES.



CUTS SHOWING PIECES OR PARTS WHICH MAKE UP A DRAW CENTER  
GRATE OF A "THATCHER TUBULAR FURNACE."

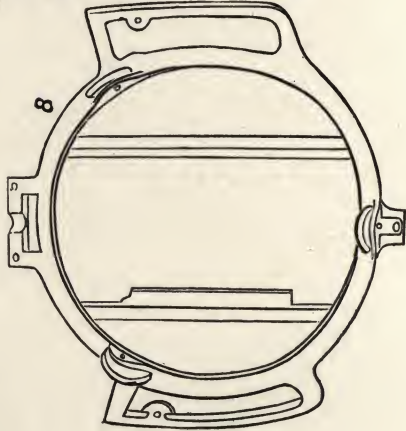
Used in Nos. 32, 36, 40, 44, 48, 52, 56, and 60 Furnaces.



FIRE BED.



FIRE POT.



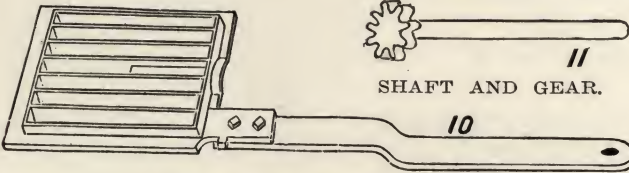
Fire Bed Frame.



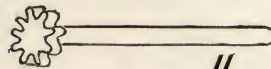
FRONT CLAMP.



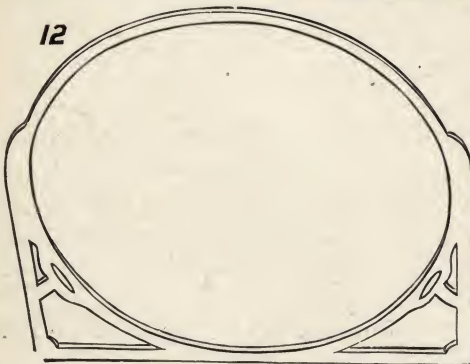
BACK CLAMP.



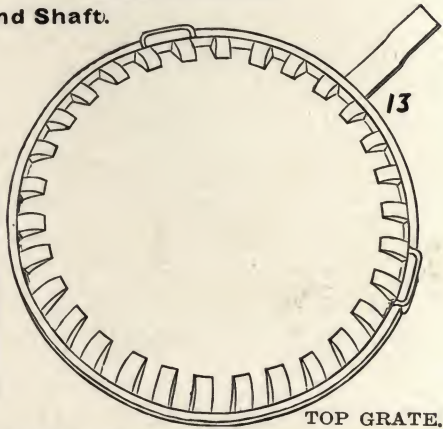
Dump Grate and Shaft.



SHAFT AND GEAR.



TOP GRATE FRAME.



TOP GRATE.

When ordering repairs for all "Thatcher" furnaces it is necessary to  
give date on ash pit door as well as number of furnace.

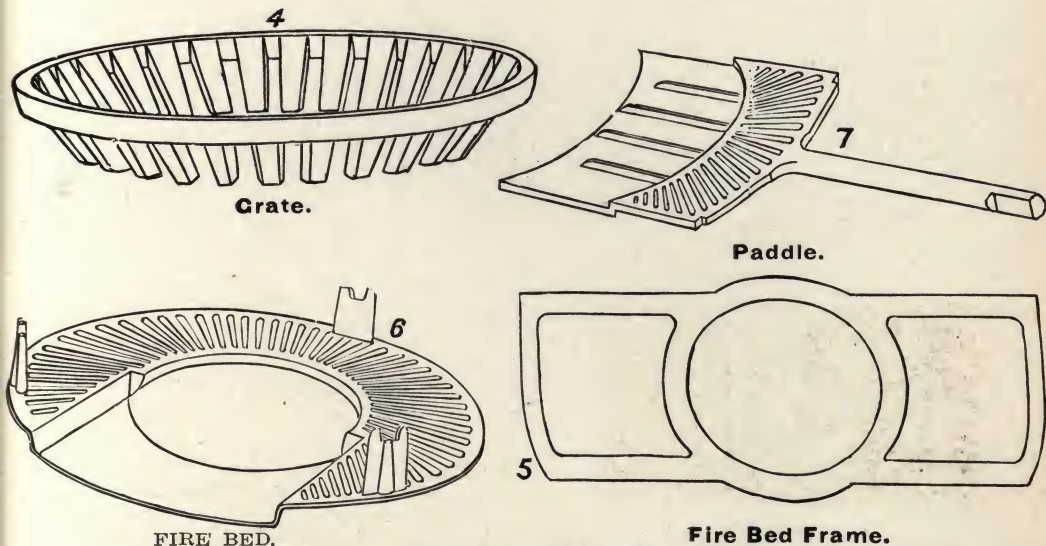
WRITE FOR PRICES.

93, 95 & 97 Rockwell Place, near Flatbush Avenue.

**CUTS SHOWING PIECES AND PARTS WHICH MAKE UP A DRAW  
CENTER GRATE OF A "THATCHER TUBULAR FURNACE."**

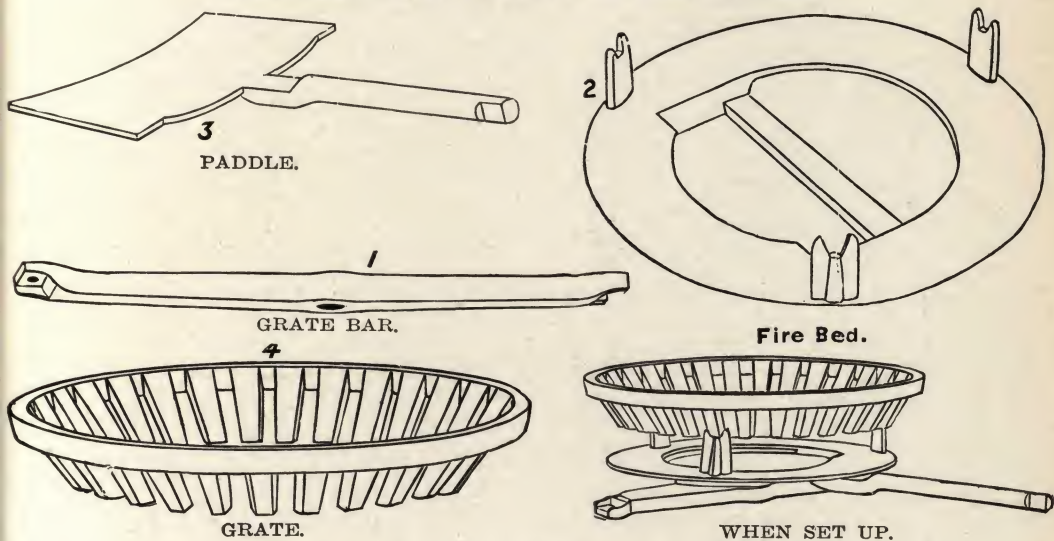
**"A" Solid Bed Style.**

Used in Nos. 10A, 11A, 12A, 23A, 24A, 24B, 25A, and 26A Furnaces.



**"Old" Solid Bed Style.**

Used in Nos. 10, 11, 12, 23, 24, 25, and 26 Furnaces.



When ordering repairs for all "Thatcher" furnaces it is necessary to give date on ash pit door as well as number of furnace.

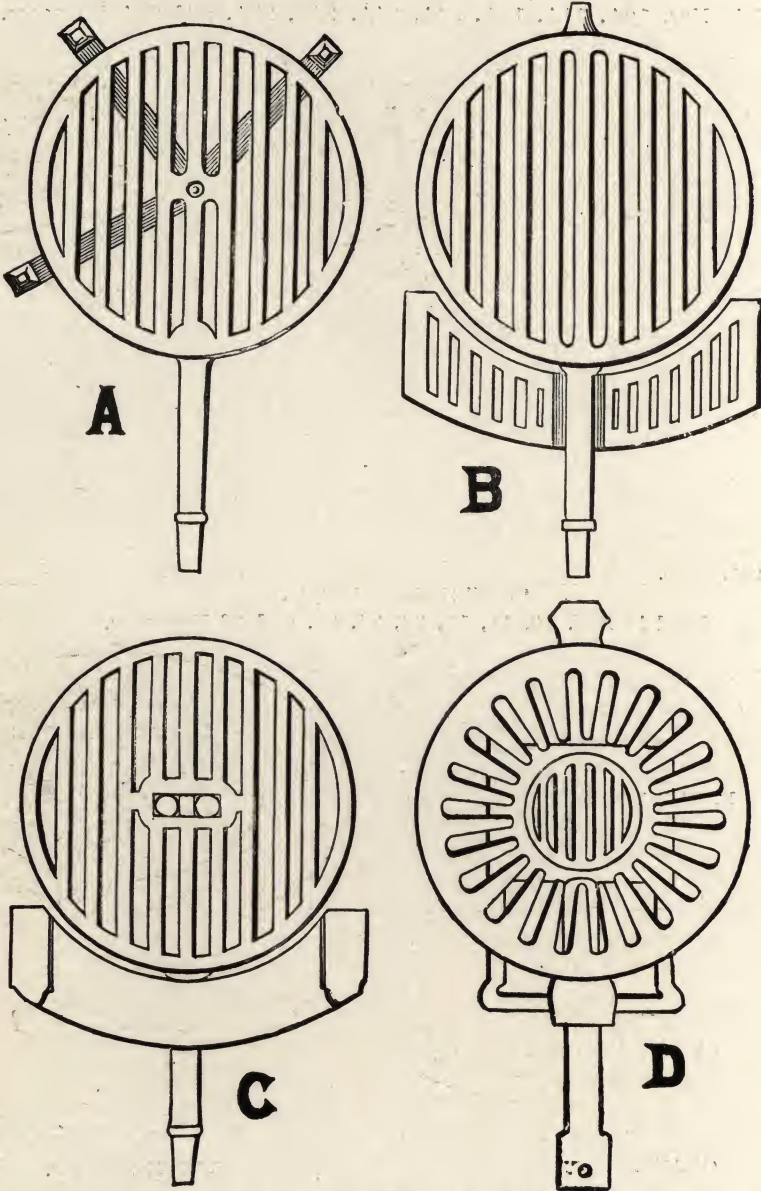
**WRITE FOR PRICES.**



CHARLES TISCH

UNION STOVE WORKS

Style of Grates Used in the "Commander" Furnace



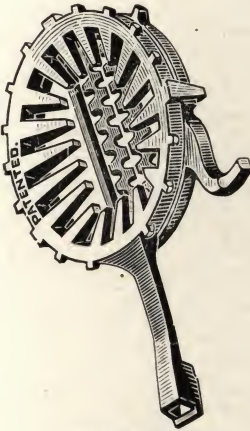
When ordering Grates, Fire Pots, Ash Pits or other repairs, state number and letter designating style of Grate.

WRITE FOR PRICES.

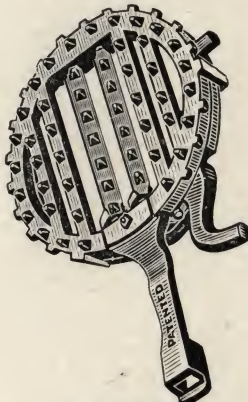


## FURNACE GRATES

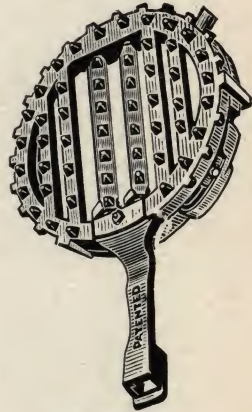
Grates for "Palace Queen," "Palace King" and "Palace Duke"  
Furnaces



1882 GRATE



1884 GRATE



1886 GRATE



1888 GRATE



TRIANGULAR  
GRATE



HEXAGONAL GRATE

The 1884 grate is used in place of the 1882 grate as the 1882 pattern is destroyed.

If 1882, 1884, 1886 or 1888 style, do you want it mounted complete on bottom circle, or less the circle?

The largest size of the 1888 grate is made with two more intermediate bars than the cut shows.

The triangular grate is made with 3, 4, 5, 6 or 7 bars according to size of furnace.

Every casting made by Russell Wheeler & Son and International Heater Co., has a pattern number cast on it. In ordering if you will give the pattern number of the part wanted you will avoid errors.

---

**GRATES FOR PEASE ECONOMY FURNACES**

---



This consists of

Grate Proper,  
Bar underneath,  
and  
Ring (or Frame).

State clearly what  
parts are wanted.

---

ANTI-CLINKER FLAT GRATE.



This consists of

Bars,  
Frame,  
Strap (or Yoke)  
and  
Connecting Bar underneath.

State how many Bars  
the Grate has and clearly  
what parts are  
wanted.

---

McCLAVE ROCKING AND DUMPING "T" GRATE



This consists of

Bars,  
Frame,  
Strap (or Yoke),  
Cogs and  
Collars.

**HOLLOW BAR REVOLVING GRATE**  
State the number of bars in the grate, also  
whether one, two or three shaker bars.

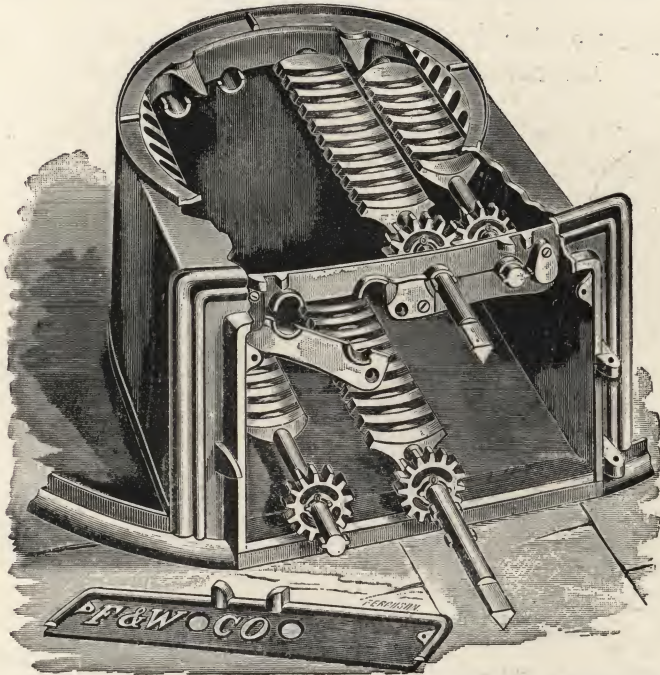
**WRITE FOR PRICES.**



93, 95 & 97 Rockwell Place, near Flatbush Avenue.

---

**GRATES USED IN FULLER & WARREN FURNACES**  
TRIANGULAR GRATE.



When ordering furnace Grate bars designate bar wanted as follows: **Left Short Bar; Left Long Bar; Right Long Bar; Right Short Bar.**

---

**DRAW CENTER GRATE COMPLETE.**



When ordering parts of Draw Center Grate, designate as follows: **Large Circle Grate; Draw Center Part of Grate; Shank for Draw Center Part of Grate. Under Bed Plate or Rest.**

**WRITE FOR PRICES.**

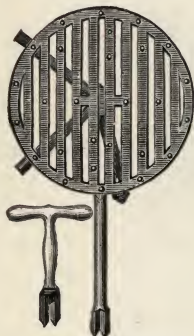


CHARLES TISCH

## GRATES AND SHAKERS

For Improved Gas Tight Brick Set "Salamander." Portable Improved and Wrought Iron Furnaces.

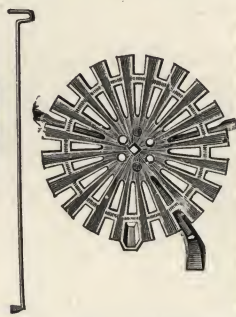
RICHARDSON & BOYNTON CO.



3rd PATTERN.  
GRATE WITH  
TRIPOD REST.



4th PATTERN  
SLICING GRATE  
AND SHAKER.



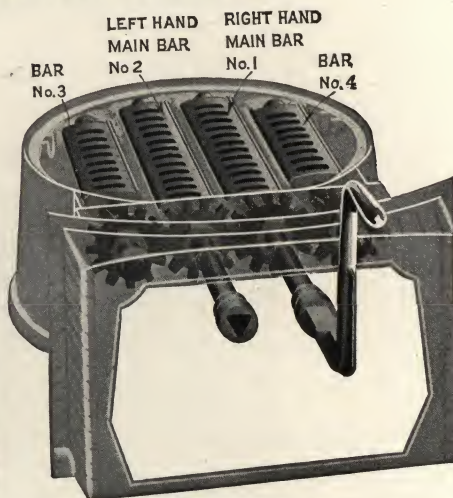
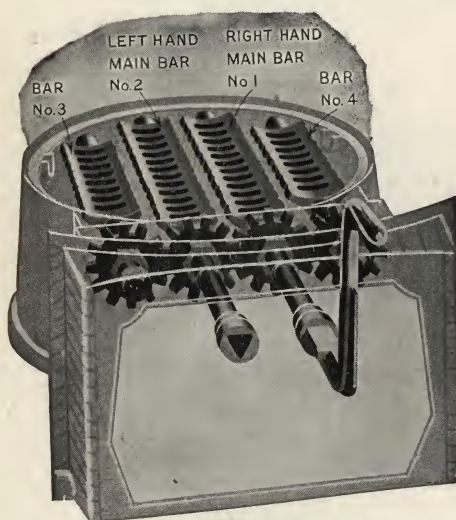
5th PATTERN.  
RAISED CENTER  
GRATE.



6th PATTERN.  
CLINKER CLEARING  
GRATE WITH  
SWING CENTER.

Richardson & Boynton Co.

## "PERFECT" REVOLVING GRATES.



STYLE "E" GRATE BARS—2nd PATTERN

When ordering "Perfect" Furnace repairs, always give—Number, Name and LETTER which appears on the feed door. Always state which bar wanted No. 1, 2, 3 or 4.

We carry in stock all of Richardson and Boynton Co.'s Grates and Pots, and other repair parts that are in constant use.

WRITE FOR PRICES.

## STEAM AND HOT WATER HEATER GRATES AND PARTS

---

**T**HE constant demand by the trade for repairs for Steam and Hot Water Boilers has caused us to enlarge our stock of this class and we can truthfully say that we have to-day the most complete line of grates and other repair parts in Greater New York.

On the following pages will be found a list of Steam and Hot Water Grates which can be supplied from stock. This will enable the trade to procure these parts without waiting for them to come from out of town, thus saving time and expense.

Send your orders here. If the name of the Boiler for which you desire parts does not appear, we are in position to furnish at short notice.

## STEAM AND HOT WATER HEATER GRATES

Below is a list of Steam and Hot Water Heaters for which we carry Grates and other repair parts:

Admiral .....	Boynton Furnace Co.
Ajax .....	Smith & Thayer Co.
All Right.....	Wm. H. Page Boiler Co.
American Sectional.....	Pierce, Butler & Pierce.
Boynton .....	Boynton Furnace Co.
Burnhardt .....	Burnhardt S. B. Co.
Crown Gem.....	Abendroth Bros.
Dragon Heater.....	Smith & Thayer Co.
Empire .....	Thatcher Furnace Co.
Fuller & Warren.....	Fuller & Warren Co.
Gem .....	Abendroth Bros.
Greater .....	" "
Hero .....	Graff Furnace Co.
Ideal .....	American Radiator Co.
" Arco .....	" " "
" Invincible .....	" " "
" Junior .....	" " "
" Laundry .....	" " "
" Premier .....	" " "
" " Jr.....	" " "
" Standard .....	" " "
Ihco Laundry.....	International Heater Co.
Ideal Portable.....	American Radiator Co.
Little Gem, Dome Top.....	Abendroth Bros.
" " Flat Top.....	" "
" " Oval Top Laundry.....	" "
" " Square Top Laundry.....	" "
Little Giant.....	Pierce, Butler & Pierce.
Magee Round.....	Magee Furnace Co.
" Sectional .....	" " "
" Tank Heater.....	" " "
Model Dwarf .....	Model Heating Co.
" Laundry .....	" " "
" Sectional .....	" " "
Mott's Tank Heater.....	J. L. Mott Iron Works.
" Iron " .....	" " "
New Ideal Premier.....	American Radiator Co.
New Queen .....	E. G. Whitacre
Niagara .....	Boynton Furnace Co.
" Tank Heater.....	" " "
Oswego .....	Oswego Boiler Co.
Patriot .....	Boynton Furnace Co.



Perfect .....	Pierce, Butler & Pierce.
Prince .....	International Heater Co.
Progress .....	Thatcher Furnace Co.
Richardson .....	Richardson & Boynton Co.
"    Side Feed.....	"    "    "    "
"    Tank Heater.....	"    "    "    "
Richmond Round.....	McCrum-Howell Co.
"    Sectional .....	"    "    "
Rossmore .....	Rossmore Co.
Royal .....	Hart & Crouse.
Ruth .....	Abendorth Bros.
Sandow .....	John Simonds.
Spence .....	Pierce, Butler & Pierce.
Sterling .....	Hart & Crouse.
Sturdy Gem Tank.....	Abendorth Bros.
Sunray .....	J. L. Mott Iron Works.
Sterling .....	Thatcher Furnace Co.
Tabasco .....	Kewanee Boiler Co.
"    Jr.....	"    "    "
Thatcher .....	Thatcher Furnace Co.
Touraine .....	Pierce, Butler & Pierce.
Triumph .....	Craig-Reynolds.
Volunteer .....	Wm. H. Page Boiler Co.
Winchester .....	Smith & Thayer.
York Gem Tank.....	Abendroth Bros.
10 W. Laundry.....	"    "

## STEAM AND HOT WATER GRATES AND PARTS

By special arrangement with manufacturers, we can supply at short notice repairs for the following:

Annapolis .....	J. H. McLain Co.
Argand .....	Argand Boiler Co.
Astor .....	Union Stove Works.
"    Tank.....	"    "    "
Bright Idea .....	Gurney Heater Co.
Burnham Round .....	Lord & Burnham Co.
"    Sectional .....	"    "    "
Capital .....	United States Heater Co.
Carbon .....	Lehigh Foundry & Machinery Co.
Carton .....	International Heater Co.
Commonwealth .....	Walker & Pratt Manufacturing Co.
Cornell .....	J. H. McLain Co.

# CHARLES TISCH

Crawford .....	Walker & Pratt Manufacturing Co.
“ Cadet.....	“ “ “ “ “ “
Defender .....	Kewanee Boiler Co.
Derigo .....	Smith & Anthony Co.
Doric .....	Gurney Heater Co.
Economy .....	J. F. Pease Furnace Co.
Equator .....	Nason Manufacturing Co.
Freed .....	Freed Heater Co.
“ Economy Jr.....	“ “ “
“ Square Boiler.....	“ “ “
Furman, Round .....	Herendeen Manufacturing Co.
“ Sectional .....	“ “ “
Glenwood .....	Weir Stove Co.
Gorton .....	Gorton & Lidgerwood Co.
Gurney Defiance.....	Gurney Heater Co.
“ Jacket Heater.....	“ “ “
“ Poney Tank.....	“ “ “
“ 400 Series.....	“ “ “
Hale .....	Smith & Anthony.
Hale Triumph.....	“ “ “
Hendersen Orbis.....	Prizer-Painter Co.
“ Radiant .....	“ “ “
“ Thermo .....	“ “ “
Humber .....	J. H. McLain Co.
Ihco Tank Heater.....	International Heater Co.
Imperial Sunshine.....	Reading Stove Works.
International .....	International Heater Co.
“ B, Tank Heater.....	“ “ “
“ F, “ “ .....	“ “ “
“ G, “ “ .....	“ “ “
“ H, “ “ .....	“ “ “
“ Empress .....	“ “ “
Invader .....	Union Stove Works.
Kewanee .....	Kewanee Boiler Co.
La Flora .....	Griffing Iron Co.
Little Carbon .....	Lehigh Foundry & Machinery Co.
Mahony .....	Mahony Heating Co.
Monarch Sunshine.....	Reading Stove Works.
New Era .....	Phelps Bros.
Ohio Laundry.....	J. H. McLain Co.
Palace King.....	Russel-Wheeler Co.
“ Queen Sectional.....	“ “ “
Purdue .....	J. H. McLain Co.
Paragon .....	Isaac A. Sheppard & Co.
“ Junior .....	“ “ “ “ “ “
“ Laundry Heater.....	“ “ “ “ “ “
“ Prize .....	“ “ “ “ “ “
Royal .....	Hart & Crouse Co.
“ Tank Heater.....	“ “ “ “ “
Rugby Tank.....	J. H. McLain Co.

Rutland .....Richmond Stove Co.  
Scollay .....Scollay Heating Co.  
Soleil Steam Heater.....Pierce Butler & Pierce,  
Spencer .....Spencer Heating Co.  
Superb .....Johnson & Co.  
    "    Sectional.....    "    "    "  
Triumph .....Craig-Reynolds Foundry Co.  
Vassar .....J. H. McLain Co.  
Vestal Sunshine.....Reading Stove Works.  
West Point.....J. H. McLain Co.  
Yale .....J. H. McLain Co.



## GRATES FOR WINCHESTER HEATERS

(SMITH, THAYER & CO.)



### LONG LEVER GRATE.

The bars run from left to right as you face Heater.

No. 1. Front bar.

Nos. 2 and 3. Center Bar. These bars are not alike; specify whether second or third bar from front.

No. 4. Rear Bar.

No. 5. Shaker Handle.

No. 6. Lever Socket.

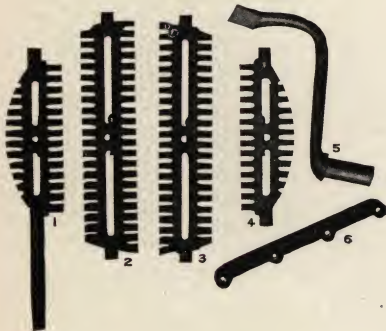
No. 7. Connecting Rod.

No. 8. Bracket Casting.

No. 9. Angle Lever.

There are three grate bars to 17 in., 19 in. and 22 in. grates. There are four bars to 25 in. and larger grates.

The centre bars are not interchangeable.



### ANTI-CLINKER GRATE.

The bars run from front to rear.

No. 1. Shaker Bar. Specify whether right or left hand shaker bar on heaters where two shakers are used.

No. 2. Left Centre Bar.

No. 3. Right Centre Bar.

No. 4. Right Hand Bar.

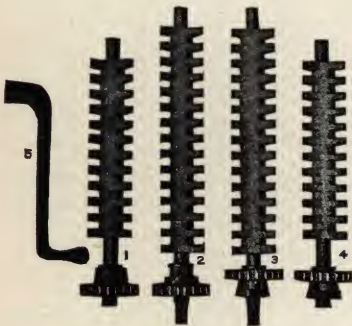
No. 5. Shaker Handle.

No. 6. Connecting Rod.

There are three bars to 17 inch and 19 inch grates.

There are four bars to 22 inch grates and larger.

There is one shaker bar for 25 inch grates and smaller and two for grates larger than 25 inch.



### TRIANGULAR GRATE.

No. 1. Left-Short Bar.

No. 2. Left Shaker Bar.

No. 3. Right Shaker Bar.

No. 4. Right-Short Bar.

No. 5. Shaker Handle.

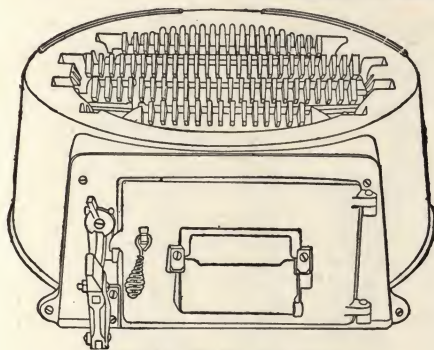
Right and Left Hand Bars are the same.

Cogs are reversible.

If you find a number cast on part wanted give us this information with the order.

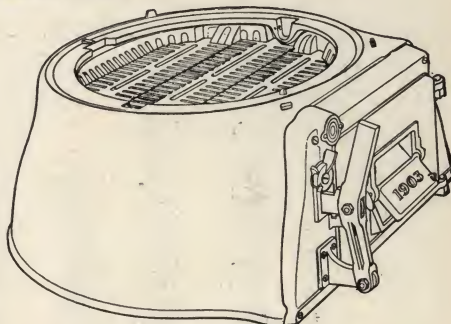
WRITE FOR PRICES.

## GRATES FOR IDEAL STEAM AND WATER HEATERS (AMERICAN RADIATOR CO.)



**Premier Base and Grate**

Grate Bars—Style Used from 1903  
10-inch has Draw Center Grate.  
12-inch has 2 Bars: Front, Back.  
15-, 18-, and 21-inch have three Bars:  
Front, Center, Back. Shaker on left-hand side in front.  
24-, 28-, and 32-inch Grates have four Bars: Front, Front-Center, Rear-Center, Back. Shaker on left-hand side in front.



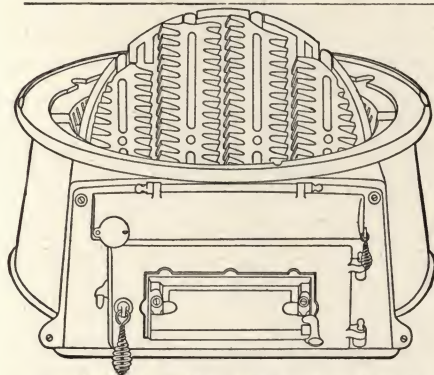
**Arco Base and Grate Parts**

All Regular Arco Steam and Water Boilers and Standard Water Boilers are equipped with the Arco Base. No changes have been made up to the present time except in location of draft inlet.

### Grate Bars

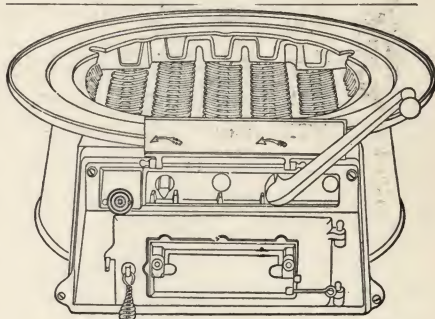
15-, 17-, 19-, and 22-inch have three Bars: Front, Center, Back. Shakes on left side, front.

25-, 28-, 31-, and 34-inch have four Grate Bars: Front, Front-Center, Rear-Center, Back. This Grate shakes on left-hand side in front.



**Perfection Base and Grate Parts**

19 inch grate has 3 bars.  
21 and 25 inch has 4 bars.  
30 and 36 inch has 4 bars, two of which (right and left) are shank bars.



**Triangular Grate and Base Parts**

Right and left bars are the same. Gears are reversible.

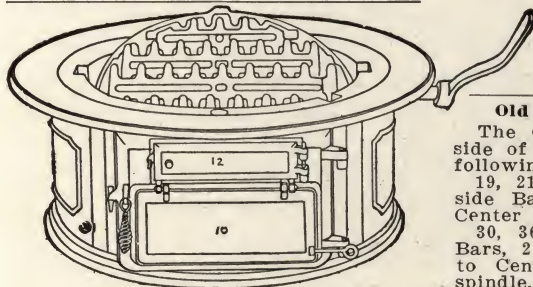
19 inch has 3 bars. All same length.

21 inch has 4 bars, 2 long, 2 short.

3 long and 2 short.

36 inch has 6 bars, 4 long and 2 short.

25 and 30 inch have 5 bars.



**Old Style Base and Grate Parts**

The Old Style Grate shakes at the side of the Boiler. It consists of the following bars:

19, 21, 25-inch have 5 Bars: 2 Outside Bars, 2 next to Center Bars. 1 Center Bar with spindle.

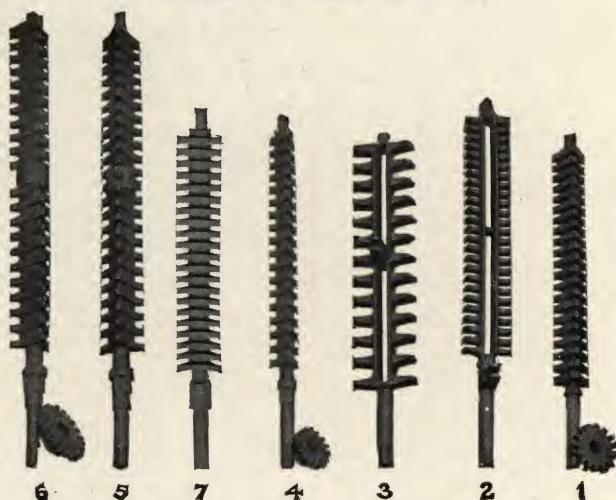
30, 36-inch have 7 Bars: 2 Outside Bars, 2 next to Outside Bars, 2 next to Center Bars, 1 Center Bar with spindle.

WRITE FOR PRICES.



## VOLUNTEER AND ALL RIGHT BOILER GRATES

THE WM. A. PAGE BOILER CO.



1, 1½, 2, 3, 3½, 4, 5, 5½, 6, 7, 7½, 8, 9, 9½, 10, 11, 11½, 12, 13½, 14, 15.

State style of grate—see cut.

### READ BEFORE ORDERING GRATES.

In the above cut we show the different styles of grates used in our VOLUNTEER and ALL RIGHT BOILERS.

\*Style No. 7 is the present style in use, having been adopted January 1st, 1909. It is a finer grate than the other styles and is suitable for all sizes of coal including pea.

The difference between styles No. 1 and No. 4 is in the surface of the bar (style No. 1 being flat, while style No. 4 is slightly concaved), and the former has gear with round opening while the latter has square opening.

The difference between styles No. 2 and No. 3 is in the width of the teeth as well as in location of toggle connection, style No. 2 being on the front end of bar while style No. 3 is in the center.

Style No. 5 is only used in our boilers with 30 and 36 inch grates and is same as style No. 6 without the bearing for grate bridge or support.

Style No. 6 is used in our boilers with 30-inch grate and above and is used in connection with grate bridge or support.

Be sure to advise the grate bar desired, counting from left to right as you face the boiler, and order by style number as per above cut. This will obviate mistakes and delays.

WRITE FOR PRICES.



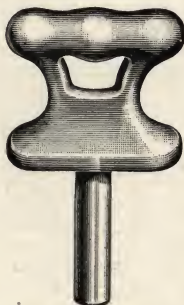
**BROILER OR DRAFT DOOR KNOBS**

No. 123.



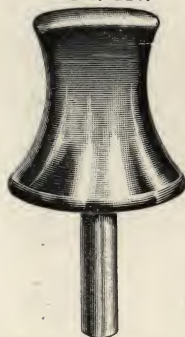
Round Head Broiler  
Door Knob.

No. 126.



Solid Broiler and Draft Door Knobs, Nickerled

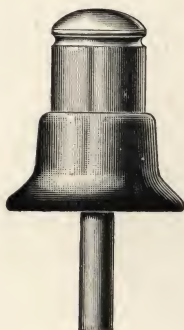
No. 127.



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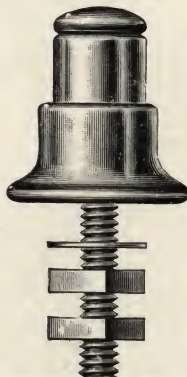
**SPRING DAMPER KNOBS**

No. 1.



Spring Rivet  
Knob.

No. 2.



Easily adjusted, does  
not require riveting.

---

**DAMPER ROD KNOB**

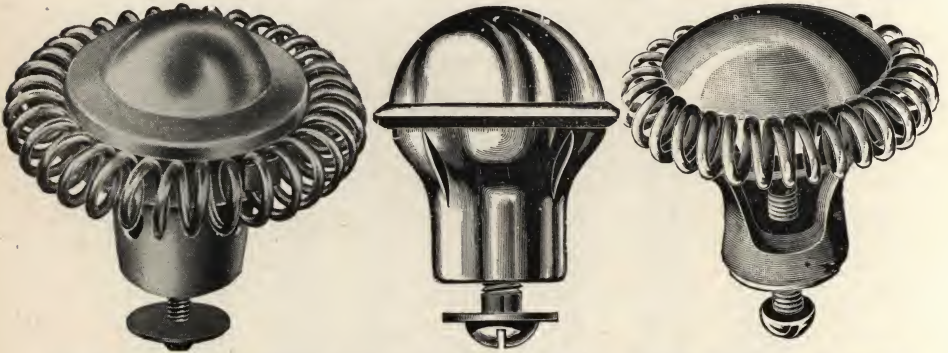


Can be adjusted to any wire damper rod,  $\frac{1}{4}$ -inch thick.

**WRITE FOR PRICES.**

CHARLES TISCH

## STOVE KNOBS AND HINGE PINS



All knobs are furnished with screws and washers; large stock of all sizes.

### CAST NICKEL KNOB



Highly Nickerled Knob used on the very latest ranges.

### CUP KNOBS OR HANDLES FOR HIGH-CLASS RANGES.



These are made of Sheet Steel, highly polished and Nickel Plated, making a very ornamental Knob.

### NICKEL HINGE PINS AND HEADS



Pins can be furnished up to 5 in. for the above.

WRITE FOR PRICES.



# Special Made Up Goods

We make a specialty of making up for  
the trade any material they desire  
in the line of Sheet-Metal.

Our shop is fully equipped  
and any orders left  
with us will re-  
ceive our

**BEST ATTENTION**

ESTIMATES · CHEERFULLY FURNISHED.



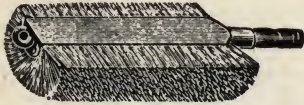
ROUND WIRE FLUE BRUSHES.



No. 1.

Size.	
2-inch.....	Each.....
2 ½-inch.....	Each.....
3-inch.....	Each.....
3 ½-inch.....	Each.....
4-inch.....	Each.....

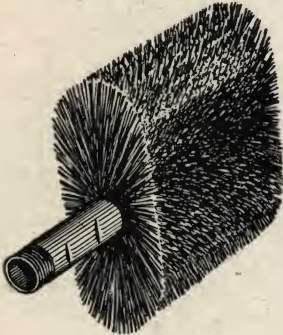
HALF CIRCLE WIRE BRUSH.  
For Flat Flues. Sheet Iron Back.



No. 2.

Size.	
4 ½ x 4 x 1 ½, no handle.	Each.....

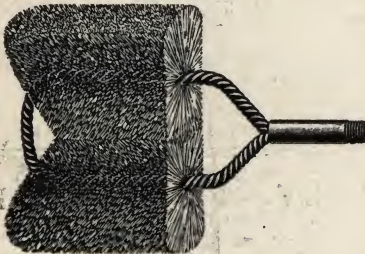
OVAL WIRE FLUE BRUSH.



No. 3.

Size.	
4x2.....	Each.....

WIRE BRUSH FOR SECTIONAL BOILERS.



No. 7.

Size.	
4x1 ¾.....	Each.....
6 ½ x 2 ½.....	Each.....

ROUND STEEL HOOK BRUSH.



No. 5.

Size.	
7x3 ¾ x 2.....	Each.....

FLAT WIRE FLUE BRUSHES.

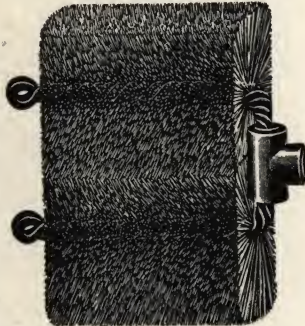


No. 4.

Size.	
3x2.....	Each.....
4x4.....	Each.....
5 ¼ x 2 ¼.....	Each.....
7 ½ x 4 ½.....	Each.....

DUPLEX FLUE BRUSH.

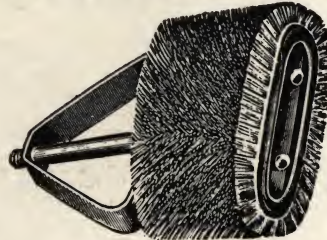
For large flues.



No. 8.

Size.	
2 ½ x 7.....	Each.....

OVAL BRUSH REINFORCED.



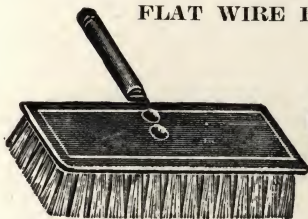
No. 9.

Size.	
6x2 ½.....	Each.....

WRITE FOR PRICES.

93, 95 & 97 Rockwell Place, near Flatbush Avenue.

**FLAT WIRE BRUSH.**



Size. No. 10.  
3x5..... Each.....

**IMPROVED INGALLS' SCRAPER.**



No. 19.

For use where brush will not remove.  
Corosion spring attachment.

Size.

2 1/2-inch..... Each.....  
3-inch..... Each.....

**ABRAM'S FLUE BRUSHES.**

With scraper on each end.  
2-inch to 6-inch diameter.  
1/4-inch sizes.



No. 18.

Size..... Each.....

**FLAT WIRE BRUSHES.**

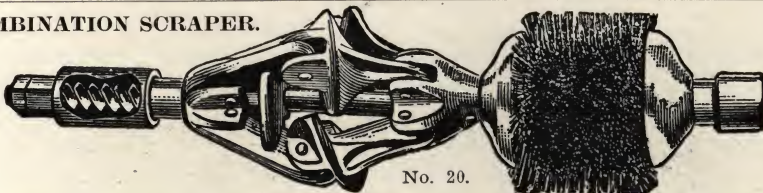


No. 11.

Size.

3x5..... Each.....

**COMBINATION SCRAPER.**



No. 20.

Ingalls' Improved; with a fine, round, tempered steel Wire Brush.

**STEEL BRUSH.**

Sheet Iron in center.

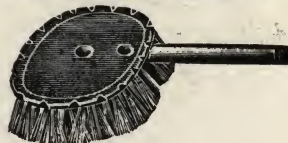


No. 14.

Size.

3 1/4 x 4 1/2 x 2 1/4..... Each.....

**OVAL FLAT BRUSH.**



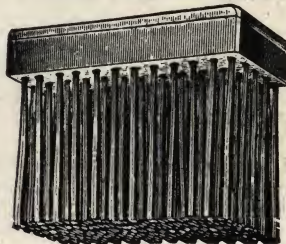
Size.

No. 12.

3x5..... Each.....

**STEEL WIRE CASTING BRUSHES.**

5 rows, 2 1/2-inch wire.



Size.

No. 23.

7 1/2 x 2 1/2..... Each.....

**HARD WIRE SPIRAL BRUSHES.**

2-inch to 6-inch diameters.  
1/4-inch sizes.



No. 17.

Size..... Each.....

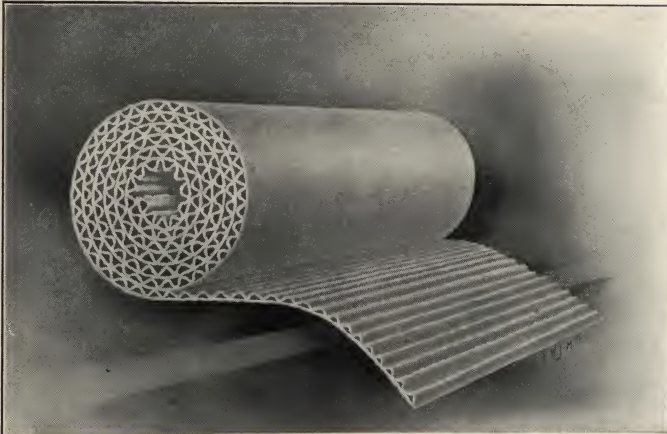
WRITE FOR PRICES.





SPECIMEN OF ASBESTOS IN THE NATURAL STATE.

## ASBESTOS



## ASBESTOCEL CORRUGATED FIRE-PROOF PAPER

(Patented.)

For Covering Heater Pipes, etc.

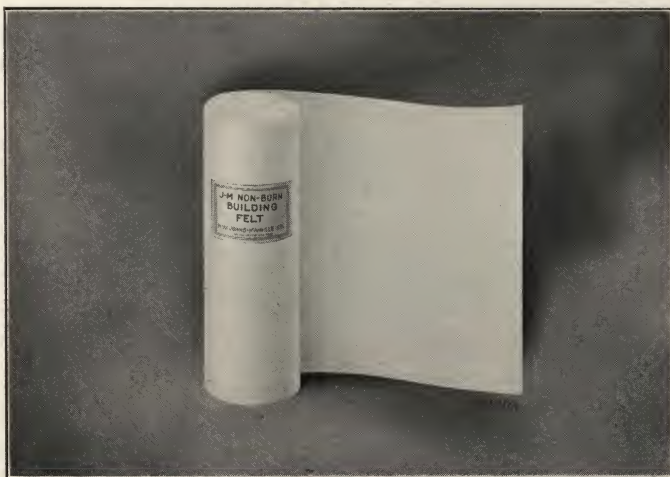
Asbestocel is a corrugated paper formed of successive corrugations of an asbestos felt, held firmly together by an asbestos fire-proof backing. In the corrugations of this paper a large amount of dead air—which is the most efficient insulator known—is confined, thus preventing loss of heat.

Asbestocel, being absolutely fire-proof, does away with the danger of fire from overheated furnaces and pipes. It also prevents pipes from rusting by protecting them from moisture. These are important features.

It can be easily applied by anyone. No tools are necessary. Simply wrap it around whatever you wish to insulate and fasten with wire wound spirally. In rolls 3 feet wide containing approximately 250 square feet. 1-ply, about  $\frac{1}{4}$  inch thick, 250 sq. feet, per roll.....Price per sq. ft.

**WRITE FOR PRICES.**





### NON-BURN ASBESTOS FELT AND ROLL BOARD

This is a fireproof material especially adapted for fireproof construction because of its high heat-resisting qualities. It is used for lining side-walls, floors, wood partitions, covering heater pipes, etc. Will not disintegrate, is odorless and vermin proof. Put up in rolls, 36 inches wide, weighing approximately 100 pounds each.

#### APPROXIMATE WEIGHTS AND THICKNESSES.

14 pounds, per 100 square feet (1/32 inch).

30 pounds, per 100 square feet (1/16 inch).



### ASBESTOS CEMENT FELTING

Our Standard No. 352 Cement Felting is a light, porous cement, partaking of the nature of a felt and cement combined.

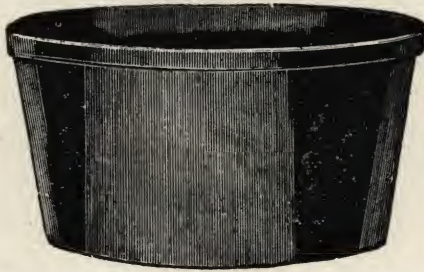
Excellent for all forms of heat insulation.

Put up in 100-lb. Bags.

**WRITE FOR PRICES.**

## FIRE POTS FOR ALL FURNACES

We carry in stock more than 250 Fire-pots for various furnaces.

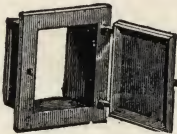


You will find among our stock Furnace Pots not obtainable elsewhere in New York City.

By special arrangement we can also supply at manufacturers' prices all Furnace Repairs.

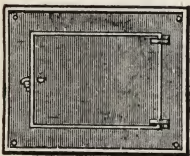
When desiring cost of Furnace Fire-pot and other parts, obtain our figures and be convinced that we can save money for you.

### HAND HOLD DOOR



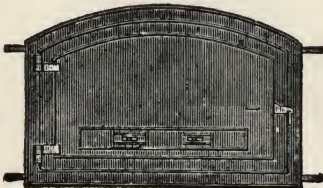
Opening  $5\frac{1}{2}$  x  $5\frac{1}{2}$  inches.  
Opening  $6\frac{1}{2}$  x  $6\frac{1}{2}$  inches.

### SOOT DOOR



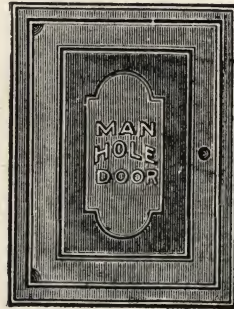
7 x 9	
8 x 10	
9 x 12	
10 x 12	Light
10 x 12	Heavy
12 x 15	
14 x 16	

### BAKE OVEN DOOR



One Size.  
Opening  $11\frac{1}{2}$  x  $15\frac{1}{2}$  inches.

### MAN HOLE DOOR



Opening 12 x 18 inches.  
Opening  $15\frac{1}{2}$  x  $22\frac{3}{4}$  inches.

### TINNER'S HICKORY MALLETS



2,  $2\frac{1}{2}$  and 3 inches.

Our Hickory Mallets are all made of the Best Second Growth.

WRITE FOR PRICES.

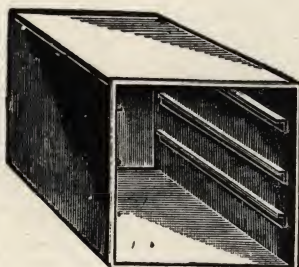
## ASH PANS



Ash Pans for every Stove, Range and Heater carried constantly on hand.

---

## SHEET-IRON OVENS



For all leading Ranges sold in this market carried constantly on hand.

---

## STOVE-PIPE WIRE

No. 18. Annealed in stones. Nos. 14, 16 and 18 Galvanized in Stones.

Heavier wire in coils.

WRITE FOR PRICES.



## STOVE BOARDS

### "DAISY PAPER-LINED BOARDS



### PAPER-LINED CRYSTAL BOARDS



#### MOSAIC.

24x24	Square	Paper lined
26x26	"	" "
28x28	"	" "
30x30	"	" "
32x32	"	" "
35x35	"	" "
32x40	Oblong	" "

#### EMBOSSSED.

24x24	Square	Paper lined
26x26	"	" "
28x28	"	" "
30x30	"	" "
32x32	"	" "
34x34	"	" "
36x36	"	" "
32x42	Oblong	" "

#### CRYSTAL.

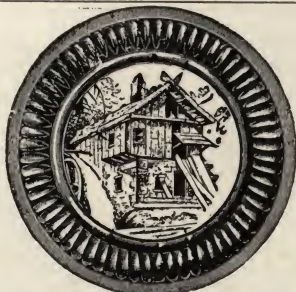
24x24	Square	Paper lined
26x26	"	" "
28x28	"	" "
30x30	"	" "
32x32	"	" "
34x34	"	" "
36x36	"	" "
32x42	Oblong	" "

#### ZINC.

24x24	Square	Paper lined
26x26	"	" "
28x28	"	" "
30x30	"	" "
32x32	"	" "
34x34	"	" "
36x36	"	" "
30x36	Oblong	" "

WRITE FOR PRICES.

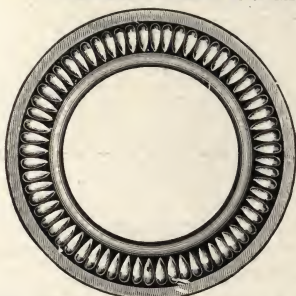
## CROWN



## FLUE STOPPERS

These are the handsomest now on the market. They are packed one dozen in a pasteboard box, and measure  $8\frac{2}{3}$  inches in diameter.

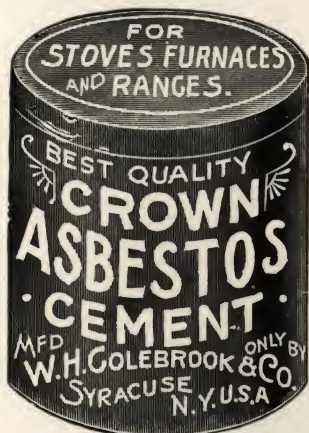
### CROWN PIPE COLLAR



3-inch  
4-inch  
4 ½-inch  
5-inch  
5 ½-inch  
6-inch  
7-inch  
8-inch

### CROWN ASBESTOS FURNACE CEMENT.

The kind that suits.



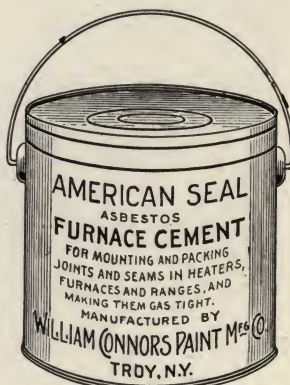
The strongest and most durable cement in use for "setting up" and repairing broken joints in furnaces, ranges, heaters, stoves, etc. It is invaluable for lining furnace doors of steam boilers or as a protection for any work exposed to direct heat, flames, etc. 5 lb. cans.

### STOVE TILE



Any Sizes. Round and Square.

### AMERICAN SEAL FURNACE CEMENT.



Packed in sealed cans to keep soft until used.

1-lb. can.....	Price.....
2-lb. can.....	Price.....
5-lb. can.....	Price.....
10-lb. can.....	Price.....

WRITE FOR PRICES.





### BLACK EAGLE

The wonderful Benzine Paste, quickest and blackest in the world.

The finest Benzine Polish for sample stoves ever made. Guaranteed to give satisfaction.

Put up in  $\frac{3}{4}$ , 1 and 5 lb. cans.



### BLACK FLAG BENZINE PASTE STOVE POLISH

The enviable reputation won by this Stove Polish is due to its exceeding brilliancy, intense blackness, great covering capacity and wonderful durability.

Put up in 5-pound pails for stove dealers' use.



### BLACK JACK PASTE STOVE POLISH

Three-fourths of a pound in each box.

FOR FAMILY USE.

The largest package and the best seller on the market.



### BLACK FLAG PASTE STOVE POLISH

Three-fourths of a pound in each box. A high grade polish for family use.

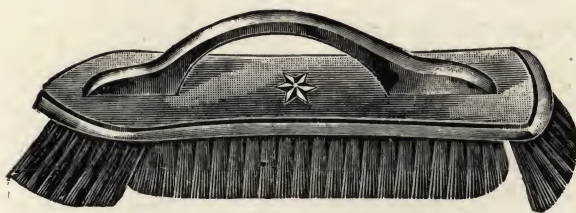
WRITE FOR PRICES.



## STOVE BRUSHES



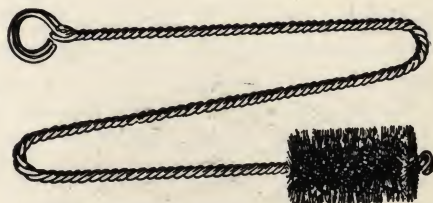
POLISHING BRUSHES



POLISHING BRUSHES



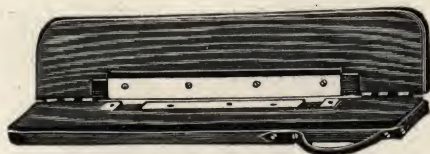
DAUBER BRUSHES



CHIMNEY AND FURNACE  
FLUE BRUSHES

---

## ROOFING FOLDERS



20-inch.....	Price.....
28-inch.....	Price.....

WRITE FOR PRICES.

# DAMPERS

## AMERICAN.



Size.

3-inch.....	Per dozen.....
4-inch.....	Per dozen.....
4 1/2-inch.....	Per dozen.....
5-inch.....	Per dozen.....
5 1/2-inch.....	Per dozen.....
6-inch.....	Per dozen.....
7-inch.....	Per dozen.....
8-inch.....	Per dozen.....
9-inch.....	Per dozen.....
10-inch.....	Per dozen.....
12-inch.....	Per dozen.....

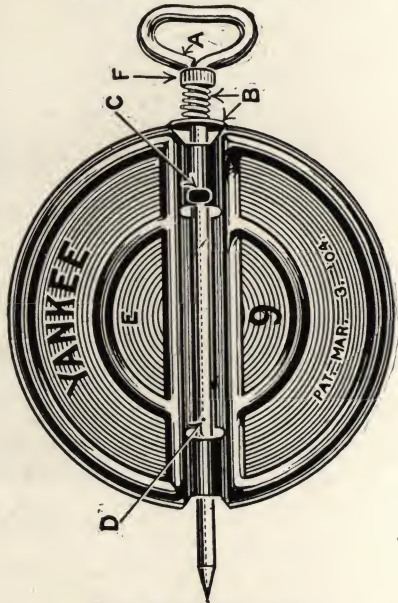
## OVAL DAMPERS.



Size.

5 1/2 American....	Price per doz....
6 American....	Price per doz....
7 American....	Price per doz....
8 American....	Price per doz....
7 Astor .....	Price each....
7 Defiance .....	Price each....
8 Defiance .....	Price each....
80 Defiance .....	Price each....
0 Perfect .....	Price each....
1, 2, 3 Perfect....	Price each....
37, 48, 58 Provident	Price each....

## YANKEE DAMPERS.



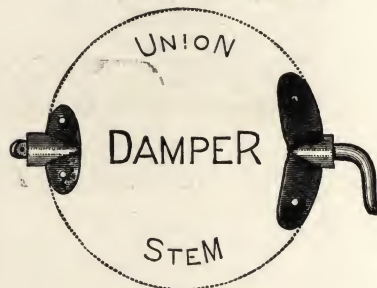
FOR HOT AIR PIPE.

"A"—Tinned steel handle, which is a part of rod. "B"—Steel spring and washer. "C"—Pins with elongated heads hold damper firmly in place, also keep washer from getting off rod. "D"—Shows other end of pin going through rod and riveted solidly. The pointed steel rod can be driven through pipe easily.

Size.

6-inch.....	Per dozen.....
7-inch.....	Per dozen.....
8-inch.....	Per dozen.....
9-inch.....	Per dozen.....
10-inch.....	Per dozen.....
12-inch.....	Per dozen.....
14-inch.....	Per dozen.....

## UNION DAMPER STEM.



Malleable Iron.

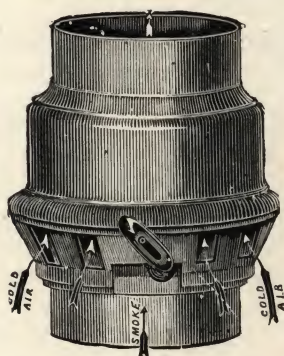
Price per dozen.....

If you do not see here what you want ask for it, it is impossible to enumerate all.

WRITE FOR PRICES.



### LAWSON DAMPERS.



Size.

6-inch.....	Price each.....
7-inch.....	Price each.....
8-inch.....	Price each.....

### BOYNTON'S PATENT VENTILATING REGULATOR AND SMOKE-PIPE DAMPER.



Size.

5-inch.....	Price each.....
6-inch.....	Price each.....
7-inch.....	Price each.....
8-inch.....	Price each.....
9-inch.....	Price each.....

### RICHARDSON & BOYNTON CO. BOSTON DAMPER.

For Furnace Smoke Pipes.



Size.

5-inch.....	Per dozen.....
5 1/2-inch.....	Per dozen.....
6-inch.....	Per dozen.....
7-inch.....	Per dozen.....
8-inch.....	Per dozen.....
9-inch.....	Per dozen.....
10-inch.....	Per dozen.....
12-inch.....	Per dozen.....

### CAST-IRON COLLARS FOR WARM AIR PIPE CONNECTIONS.

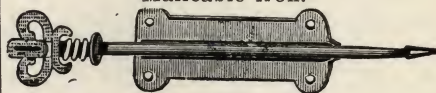


Size.

6-inch.....	Price each.....
7-inch.....	Price each.....
8-inch.....	Price each.....
9-inch.....	Price each.....
10-inch.....	Price each.....

### HOT-AIR DAMPER RODS AND CLASPS.

Malleable iron.



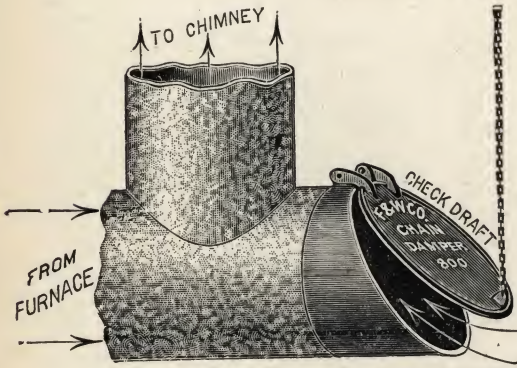
Size.

6-inch, with clasps.	Per doz.....
7-inch, " "	Per doz.....
8-inch, " "	Per doz.....
9-inch, " "	Per doz.....
10-inch, " "	Per doz.....
12-inch, " "	Per doz.....

WRITE FOR PRICES.



## CHECK DRAFT DAMPERS



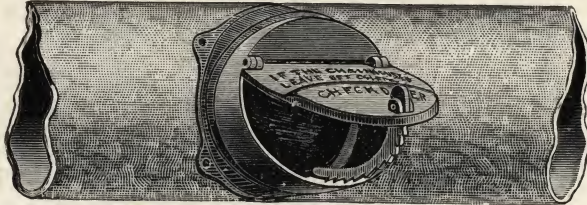
### THE F. & W. CO. CHAIN DAMPER

Nickel Plated Chain Supports Extra.  
10 cents; net.

Placed on smoke pipe in direct line with smoke collar, it affords access to radiator for cleaning purposes without removing the pipe.

6 inch.....7 inch.....8 inch.....

## GRAFF RATCHET DAMPER



Check Draft Damper for Smoke Pipe. 6 inch.....7 inch.....8 inch.....



### RUTLAND STOVE LINING

3-lb. boxes.... Per doz.....  
6-lb. boxes.... Per doz.....  
10-lb. boxes.... Per doz.....  
Barrels.

## HOT AIR DAMPER RODS



16-inch..... Per dozen.....  
18-inch..... Per dozen.....  
20-inch..... Per dozen.....  
22-inch..... Per dozen.....  
24-inch..... Per dozen.....

## FIRE CLAY

Cakes..... Each.....

## KAOLIN FIRE CLAY



In barrels..... Each.....

WRITE FOR PRICES.

## READY MIXED ROOF AND BRIDGE PAINT

A GUARANTEED LINSEED OIL PAINT for all kinds of rough work.

1-gallon pails..... Price.....  
5-gallon kits. .... Price.....  
50-gallon barrels.... Price.....

These Paints are especially prepared and make an indestructible coating of elastic paint that, when used on tin or iron, does not crack; is unaffected by heat or cold and can be used at any place where a tough and durable paint is required.



There is None Better

### AMERICAN SEAL ELASTIC OIL ROOF CEMENT

For embedding slate and tile roofs, repairing leaks around chimneys, sky lights, fire-walls, etc. Will make an old roof on which solder cannot be used as good as new—try it—remember the name—is guaranteed to give absolute satisfaction and costs no more than the imitations.

5-lb. cans..... Per can.....  
10-lb. cans..... Per can.....  
25-lb. cans..... Per can.....  
140-lb. tubs..... Per tub.....



A superior composition, combining the most intense jet black lustre with great durability.

It is adapted for use on grates, fenders, fire-boards, stoves, stove pipes, etc. It is ready for use and dries quickly.

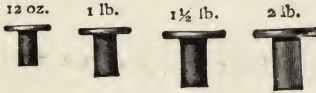
Put up in  $\frac{1}{2}$  and 1-gallon cans.

$\frac{1}{2}$  gallon..... 1 gallon.....

WRITE FOR PRICES.



**RIVETS**



Tinned or Black.  
10 oz. to 15 lb.

**STOVE BOLTS**



$\frac{5}{32}$ ,  $\frac{3}{16}$ ,  $\frac{1}{4}$ ,  $\frac{5}{8}$  inch thick  
 $\frac{1}{2}$  inch to 30 inches long.



$\frac{5}{32}$ ,  $\frac{3}{16}$ ,  $\frac{1}{4}$ ,  $\frac{5}{8}$  inch thick  
 $\frac{1}{2}$  inch to 6 inches long.

**SINK BOLTS**



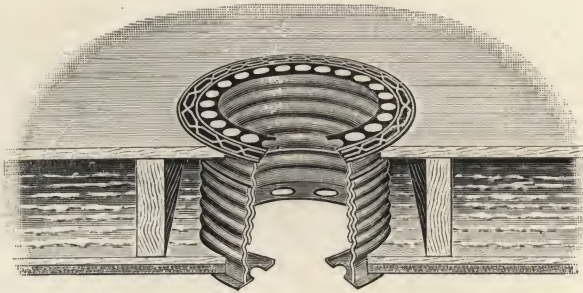
2 inch.....	Per 100.....
2 $\frac{1}{4}$ inch.....	Per 100.....
2 $\frac{1}{2}$ inch.....	Per 100.....

**PLAIN IRON HINGE PINS**



All Sizes.

Per dozen.....



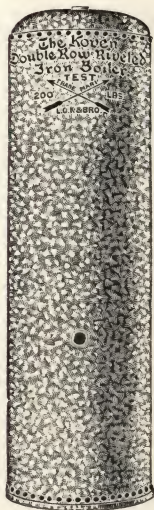
The O. K. Thimble has only two parts and these are so constructed that they cannot get out of repair. The ends are made of steel and handsomely Japanned. The body is made of bright tin, with corrugations or screw formations which give great rigidity and strength and with the air space for circulation, perfect safety from all danger of fire is secured.

There is no other Thimble on the market so easily adjusted.

Size.	
5-inch, adjust from 4 to 8 inches.	
5-inch, " " 6 to 12 "	
6-inch, " " 4 to 8 "	
6-inch, " " 6 to 12 "	
7-inch, " " 4 to 8 "	
7-inch " " 6 to 12 "	

**WRITE FOR PRICES.**

## RANGE BOILERS



HORIZONTAL RANGE BOILER.



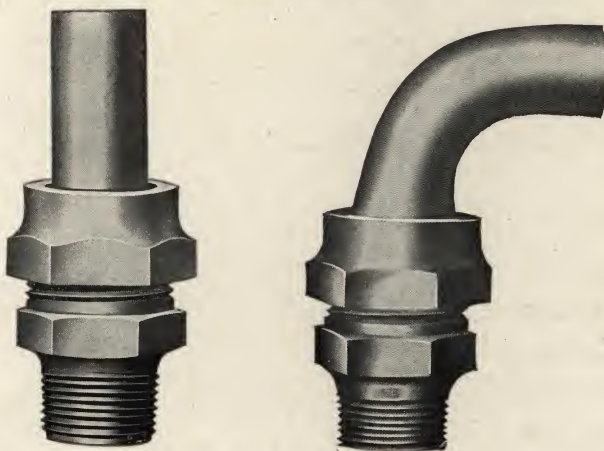
HORIZONTAL RANGE BOILER.

We carry a large variety of upright and horizontal Range Boilers from 12 gallons up to and including 90 gallons. Larger sizes can be furnished upon request.

---

## BRASS COUPLINGS FOR WATER BACKS

Straight or Bent.

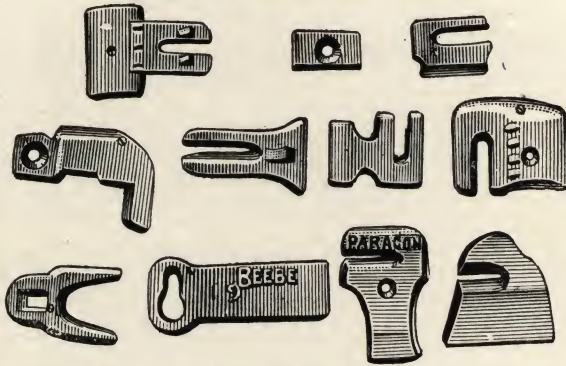


All guaranteed and tested before leaving factory.

WRITE FOR PRICES.



### CLAMPS FOR FIRE BRICK



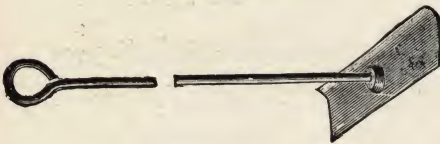
1000 different kinds in stock.

### SOLDERING COPPERS



1 to 14 lbs.  
10 to 14 lbs. with handles attached.

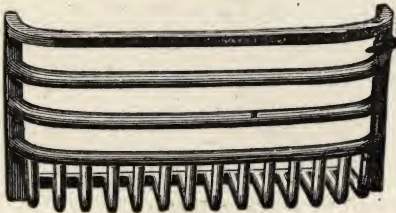
### SCRAPERS



Stove Scrapers.

Lengths, 18 in., price per doz.....  
20 " " " " .....  
24 " " " " .....  
30 " " " " .....

### OPEN FIREPLACE GRATES



Sizes:  
17, 17 1/4, 17 1/2, 18 and 18 1/2 ins.

### FANCY URNS For Parlor Stoves



15 cents to \$1.00 each.

WRITE FOR PRICES.

## Nos. 16 and 17 TORCH (QUART SIZE)



The pump-in-handle feature, demanded by many, finds its highest development in our No. 16. The pump end embraces in construction the spring check valve so thoroughly endorsed by users of the pump-in-tank torches, while as an additional precaution, an air tube leads from the bottom of the pump to top of tank, above the gasoline, removing the possibility of gasoline escaping through the pump, should the check valve fail to work.



This torch is symmetrical, well balanced, strong and serviceable, and with a small expenditure of gasoline, the burner will produce an ideal blue flame of great heat efficiency.

No. 17 is exactly like No. 16, except the burner, which is fitted with hook and support for holding soldering coppers—a great convenience for repair men.

## Nos. 31 and 32 TORCH (QUART SIZE)



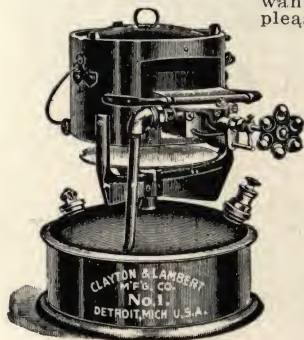
HAS NO EQUAL WHERE INTENSE HEAT IS DESIRED.

This quart torch makes a perfect fire, whether employed indoors or out, in hard wind or extreme cold. A strong blast heat is generated by a powerful burner and the resulting blue flame is a joy to the user. Every desired adjustment is quickly made. A surprisingly small amount of gasoline is required compared with the results obtained in heat efficiency. The torch creates a good impression the minute it is handled, being strong, exceedingly well built and handsomely finished. If durability and service are what you want, the Nos. 31 or 32 will certainly please you.



## No. 1 FIRE POT (SEVEN PINTS)

THE GREATEST GENERAL UTILITY FIRE POT MADE.



For Tanners, Galvanized Iron and Copper Workers, Plumbers and Electricians.

The No. 1 Fire Pot is 12½ inches high, 9¾ inches in diameter at base, 6¾ inches in diameter at top and the tank holds seven pints. It is adapted to a greater variety of uses than any other make of fire pot on the market to-day. There is not an inch of unnecessary or waste material in its construction and every feature is thoroughly practical, the result, in fact, of over twenty years' special skill, trained effort and wide experience.

## No. 5 FIRE POT (FIVE PINTS)



No. 5. Fire Pot

The No. 5 is an exact duplicate of the No. 1, only smaller, being about two-thirds its size. Height over all, 12 inches; diameter at base, 8¾ inches and at top, 6 inches. Tank is made of heavy galvanized iron and holds 5 pints. Top section is large enough to easily handle a pair of 8-pound coppers and a 5 inch metal pot at the same time. The burner produces a pure blue flame. Intensely hot, using but little gasoline (less than half required by some makes). While the No. 5 is not as large and powerful as the No. 1, still it will do any work any other make of fire pot will do, and much that cannot be done with them. By removing the top section, the base may be used as a torch or brazing fire, enabling the user to accomplish any work any torch will do.



The Best  
and Most  
Extensively  
Used Coil  
Fire Pot  
in the  
World



## No. 10 COIL FIRE POT

(1 GALLON CAPACITY)

For over twenty years the No. 10 has (in its class) been the greatest selling and the most extensively used coil fire pot made. Generating power, intensity of heat and economy in fuel consumption, to a very marked degree, distinguish this from any other make. The tank is made of heavy galvanized iron, fitted with galvanized cast iron top plate and bottom ring. All small or light castings are malleable iron or brass. The coil is made of extra heavy pipe and the burner of steel. The needle point valves, which are fitted with stuffing boxes, are always tight and give the user perfect control of the fire.

## No. 20 COIL FIRE POT

Is exactly like the No. 10 except that it is fitted with our automatic brass air pump which is more durable than bulbs and enables the user to use more air, thereby producing a blue blast flame that is intensely hot.



We carry













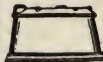







a Full

Line of

Torches

and

Furnaces

Burner	Connecting Pipe	Coil	Coil Cap	Ell
				
EACH .10¢	EACH .08¢	EACH .25¢	EACH .25¢	EACH .04¢
FILLER PLUG	Handle Ear	Handle	Nuts	Valve
				
10¢ EACH.	EACH .04¢	EACH .15¢	Nº1 Nº2 EACH .01¢	EACH .30¢
Air Valve	Plug	Reservoir	Bulb	Shield
				
EACH .25¢	EACH .04¢	EACH .15¢	EACH .20¢	EACH .35¢
No. 3 Shield	Tee	Top Plate	Upright	Wire for Coil
				
EACH .75¢	EACH .04¢	EACH .45¢	EACH .06¢	EACH .05¢

Also Repairs

for all

of Clayton

& Lambert's

Torches and

Furnaces



FILLER PLUG.  
15c-mail 18c

BURNER & SWIVEL  
\$2.00 net, if by mail \$2.90

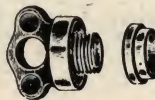


PUMP FOR FIRE POT OR TORCH.  
40c, if by mail 50c

PUMP COLLAR.  
10c if by mail 11c



AIR VALVE.  
25c, by mail 30c



FILLER  
25c, by mail 30c



SWIVEL.  
50c, by mail 60c

## CHARCOAL FURNACES

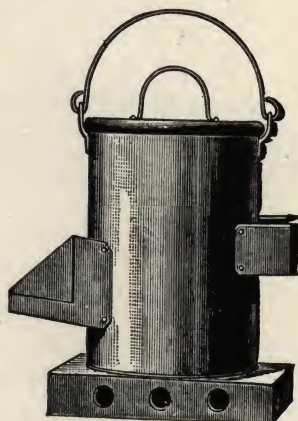


**PLUMBER'S**

Made of best refined iron.

8  $\frac{3}{4}$  in. diameter, 24 iron.

8  $\frac{3}{4}$  in. diameter, 28 iron.



**TINKER'S**

Made of best galvanized and refined iron.

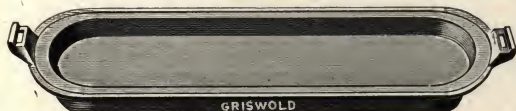
Small size.....24 iron.

Small size.....28 iron.

Large size.....24 iron.

Large size.....28 iron.

## Deep Long Pan or Iron Heaters



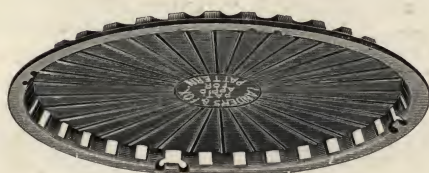
No. 7..... Each.....

No. 8..... Each.....

No. 9..... Each.....

## SAD IRON HEATERS

Either Round or Square.



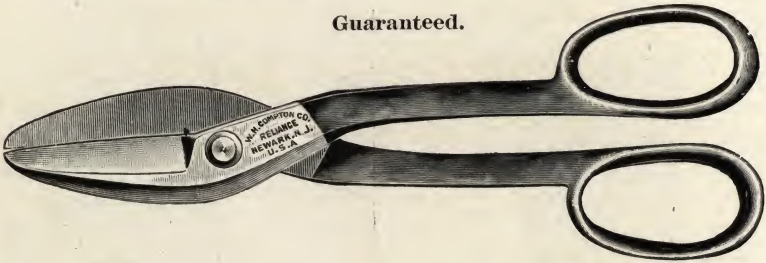
Can be used on gas, gasoline and oil stoves; made round, square and cone shaped. This heater is a thin casting of uniform thickness. With the use of this heater, the discoloring of sad iron surfaces is avoided.

**WRITE FOR PRICES.**



## RELIANCE TINNERS' SNIPS

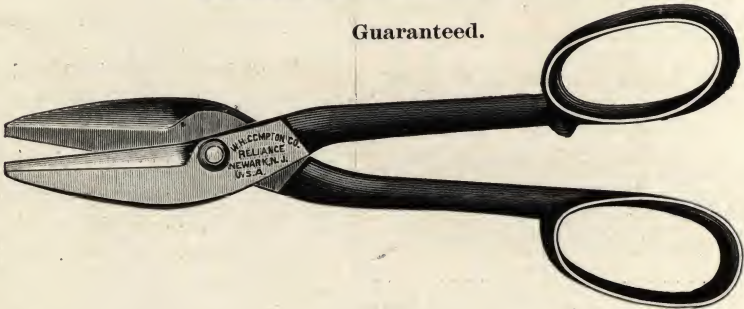
Guaranteed.



One of our specialties are Snips and the best grade of stock only is used in their manufacture, as nothing is so severely tested as a Tinner's Cutting Tool. These Snips are fully warranted, and dealers are authorized to exchange any pair found to be defective.

## RELIANCE HANDY SNIPS

Guaranteed.



This Snip is adapted for Cornice Makers, and an all around combination tool; it cuts both circular and straight.

## CIRCULAR BLADE TINNERS' SNIPS

Guaranteed.



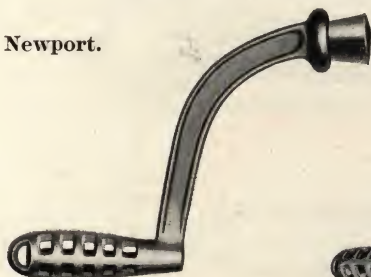
Our stock of Snips embraces all sizes of the above.

WRITE FOR PRICES.

## SHAKER CRANKS

Made of Malleable Iron, Highly Polished and Nickered.

Newport.



No. 95 R—Socket,  
 $\frac{3}{4}$  inch triangle.

Kernan.



No. 206—Socket,  $\frac{3}{4}$  x  
 $\frac{7}{8}$  inch rectangle.

Astor.



No. A-6—Socket,  
 $\frac{3}{4}$  inch triangle.

Acorn.



No. A-4—Socket,  
 $\frac{5}{8}$  inch square.

Expert.



No. C-183—Socket,  
9-16 x 13-16 inch oval.

Faultless.



No. K-192—Socket,  
 $\frac{7}{8}$  inch hexagon.

We carry on hand a complete line of cranks. It is impossible to enumerate all here; send in your order and we will fill it.

Bay State.



No. B-12.

Keeley



No. 67.

WRITE FOR PRICES.



## GRATE SHAKERS



Hero

No. 46.

Splendid.



No. 85—Distance between prongs,  $\frac{5}{8}$  inch.  
Malleable Iron, Highly Polished and Nickeled.

### UNION GRAY IRON LIFTER AND SHAKER COMBINED.

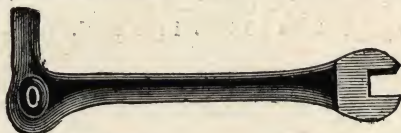


No. 1. 9 inches long..... Per dozen.....



No. 6.  $8\frac{1}{2}$  inches long..... Per dozen.....

No. 61.  $10\frac{1}{2}$  inches long..... Per dozen.....



No. 11. 8 inches long..... Per dozen.....

### ERIE LIFTER.



No. 80..... Per dozen.....

### STAR LIFTER.



Star, coppered..... Per dozen.....

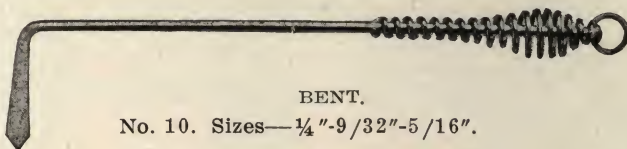
WRITE FOR PRICES.

## STOVE POKERS (Arctic)



STRAIGHT.

No. 10 1/2. Sizes—1/4"-9/32"-5/16".

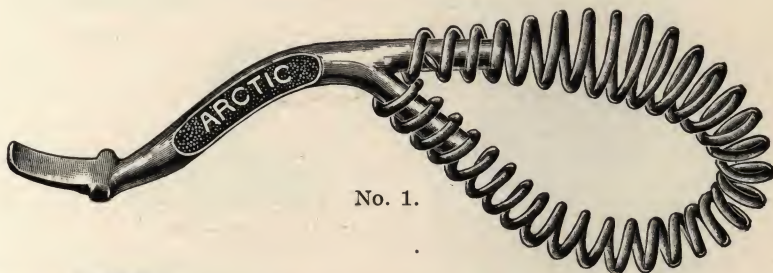


BENT.

No. 10. Sizes—1/4"-9/32"-5/16".

## COVER LIFTERS

Arctic Lifters, Nickered.

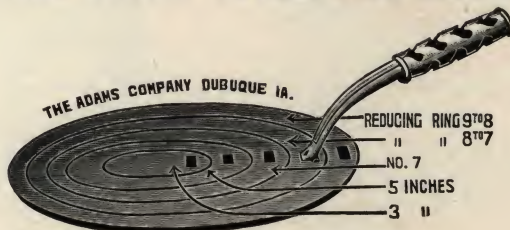


No. 1.



Chilkoote .....	Per dozen.....
Arctic .....	Per dozen.....

## SECTIONAL STOVE COVER FOR ALL STOVES

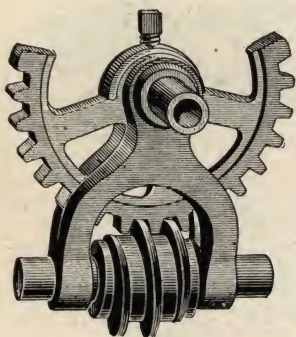


7-inch Cover.....	Price each.....
8-inch Cover.....	Price each.....
9-inch Cover.....	Price each.....

WRITE FOR PRICES.



## SKYLIGHT GEARING



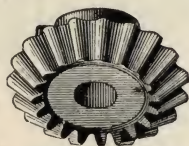
Lifting Power



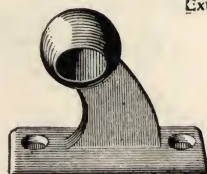
Pole Hook



Extensions



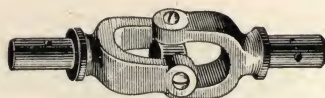
Mitre Gear



Bracket



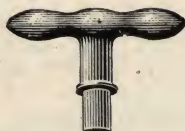
Hinge



Universal Joint



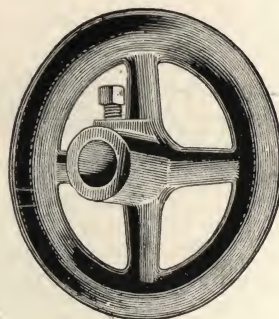
Arm



Handle



Collar

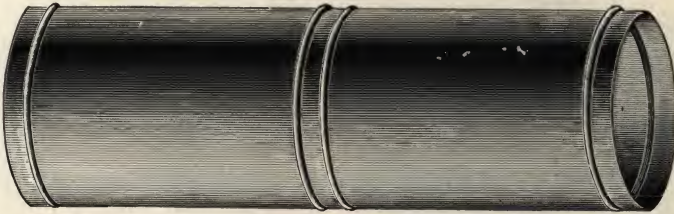


Hand Wheel

We constantly carry on hand a large stock of the above.

WRITE FOR PRICES.

## ROUND HOT AIR PIPE, IX. TIN



Made in sizes from 6 to 18 inches

We can furnish from stock Oval and Square Hot Air Pipe in all sizes.  
Full line of Floor and Wall Register Boxes constantly on hand.  
Tin Offsets and Tin Starters. All goods made of IX. Tin.

Size.	Price per Foot.
6 inches.....	.....
7 " .....	.....
8 " .....	.....
9 " .....	.....
10 " .....	.....
11 " .....	.....
12 " .....	.....
14 " .....	.....
16 " .....	.....
18 " .....	.....

## OVAL HOT AIR PIPE, IX. TIN.

Size.	Price per Foot.
3 x 8 inches.....	.....
3 x 10 " .....	.....
3 x 12 " .....	.....
3½ x 10 " .....	.....
3½ x 12 " .....	.....
4 x 8 " .....	.....
4 x 10 " .....	.....
4 x 12 " .....	.....
4 x 14 " .....	.....
4 x 16 " .....	.....

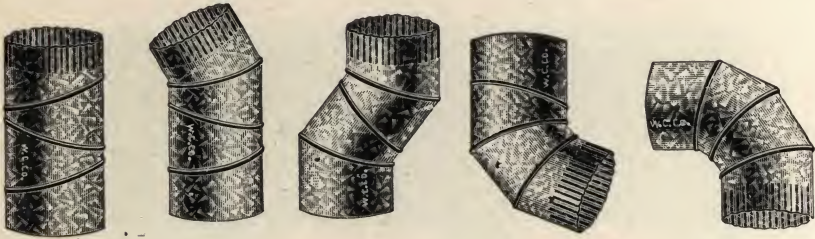
We also manufacture Square Hot Air IX. Tin Pipe in all sizes.

On the following pages you will find list of Tin Starters, Offsets, Drum Elbows, Floor and Wall Register Boxes. We use IX. Tin in the manufacture of the above stock.

**WRITE FOR PRICES.**



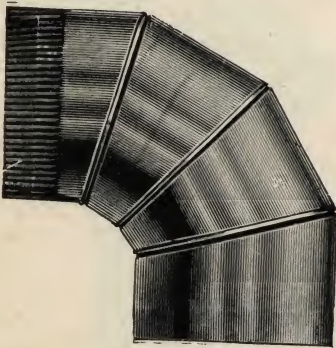
## GALVANIZED ADJUSTABLE ELBOWS



Can be adjusted to any degree. Nos. 28, 26 and 24 Gauge. Galvanized Steel. Sizes from 2-inch up to 18-inch.

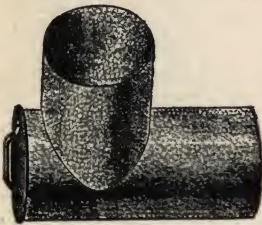
We also carry Stiff Galvanized Elbows in the above sizes.

## TIN ADJUSTABLE ELBOW



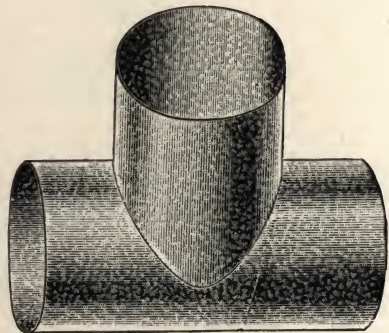
These elbows can be adjusted to any degree. Stock sizes 6 to 18 inch.

## GALVANIZED FURNACE CLEAN-OUT TEE



6 inch.....	Each.....
7 inch.....	Each.....
8 inch.....	Each.....

## GALVANIZED SMOKE PIPE TEE



6 inch.....	Each.....
7 inch.....	Each.....
8 inch.....	Each.....

## CHIMNEY BALLS



4 lbs.....	Price each.....
10 lbs.....	Price each.....

WRITE FOR PRICES.

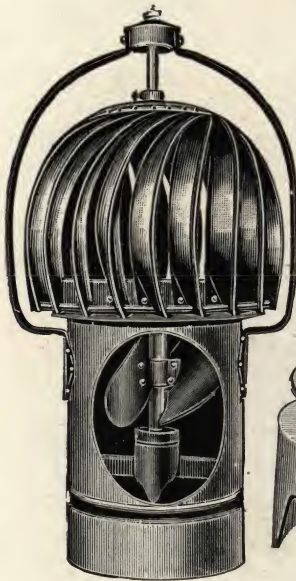
## ROTARY VENTILATOR

### TRY THIS.

It is the only Ventilator to use, where all OTHERS FAIL. Made of Galvanized Iron and painted. They consist of a head Cylinder and propeller, the whirling head and propeller are attached to a spindle which revolves on Ball Bearings and works the same as an exhaust fan.

### 3 IMPORTANT FEATURES

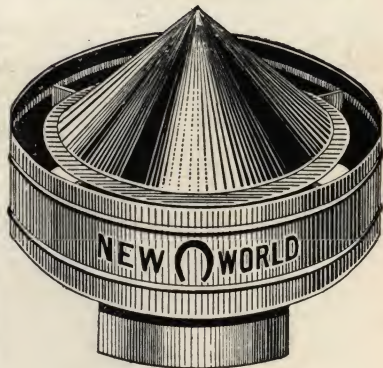
1. They fill on top to lubricate the lower bearings.
2. They work on Ball Bearings which lubricates gradually through the spindle, protected in Cast Iron Cup.
3. They work noiselessly with no friction, as they have Solid Bearing and are always in motion.



6 inch.....	Each.....
8 ".....	".....
10 ".....	".....
12 ".....	".....
14 ".....	".....
16 ".....	".....
18 ".....	".....

Also Supplied in Brass or Copper.

## THE WORLD VENTILATOR AND CHIMNEY CAP



Galvanized Iron.  
All sizes, 2 to 24 inch.

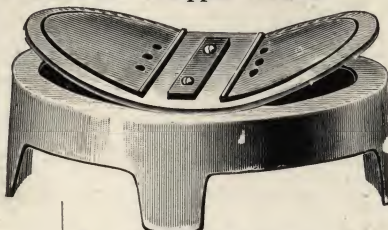
### PUMP FITTINGS

Single Clapper Valves.



2 inches, per dozen.....	.....
2 1/2 " " " ".....	.....
3 " " " ".....	.....
3 1/2 " " " ".....	.....
4 " " " ".....	.....

Double Clapper Valves.



4 inches, per dozen.....	.....
4 1/2 " " " ".....	.....
5 " " " ".....	.....

### PLUNGERS.

2 inches, per dozen.....	.....
2 1/2 " " " ".....	.....
3 " " " ".....	.....
3 1/2 " " " ".....	.....
4 " " " ".....	.....
4 1/2 " " " ".....	.....
5 " " " ".....	.....



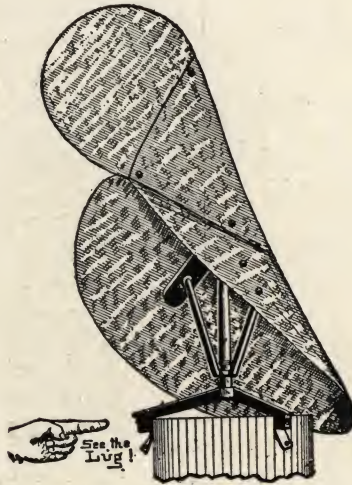
WRITE FOR PRICES.



## RICHMOND REVOLVING CHIMNEY TOP

Improved device for securing draft in chimneys.

"NO SMOKING ALLOWED."



Castings only	6 and 7 inch.....	Price each.....
	8 and 9 inch.....	Price each.....

6 and 7 inch, complete with hood.....

8 and 9 inch, complete with hood.....

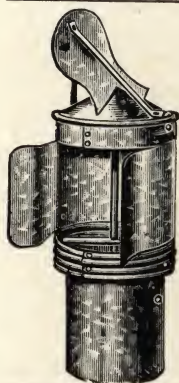
28 and 24 Guages Galvanized.

The above also made in copper.

Guaranteed to prevent wind from blowing down chimney or stack. This Top on one or two joints of pipe will give better results than six or eight joints of pipe without it. Turns with the slightest breeze.

It is only necessary to carry two sizes in stock to fit 6, 7, 8 and 9-inch pipe—the feet bolting on the **outside** of small pipe and on the **inside** of the size larger; this is a great convenience, both in avoiding the keeping of a number of sizes on hand as well as reducing bulk in shipping. Made of galvanized iron. Owing to the peculiar construction, they are shipped **knocked down**, a dozen occupying scarcely more room than one.

**WRITE FOR PRICES.**



## REVOLVING CHIMNEY CAPS

Galvanized Iron.

THESE CAPS REVOLVE ON HEAVY GLASS BEARINGS.

Size	4 inches	price, each,	
"	5	"	"
"	6	"	"
"	7	"	"
"	8	"	"
"	9	"	"
"	10	"	"
"	12	"	"

28 or 24 Gauge.

Larger and special sizes made to order.

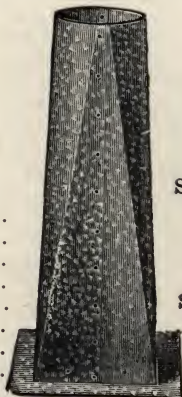


Galvanized

## SHANTY CAPS

28 or 24 Gauge.  
3-inch to 12-inch.

Sizes	
3-in..	Each.....
4-in..	Each.....
4½-in..	Each.....
5-in..	Each.....
5½-in..	Each.....
6-in..	Each.....
7-in..	Each.....
8-in..	Each.....



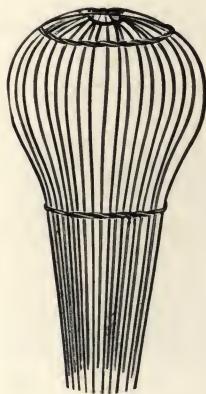
Galvanized.

## CHIMNEY BASES

28 or 24 Gauge.

Size	
5-in..	Each.....
6-in..	Each.....
7-in..	Each.....
8-in..	Each.....
Special sizes made to order.	

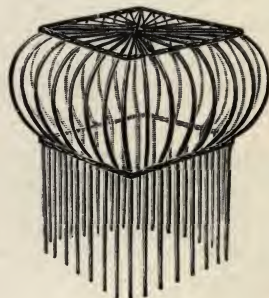
## GALVANIZED AND COPPER WIRE CONDUCTOR STRAINERS



Round.

Round Galvanized.	Square Galvanized.
Size	Size
2-inch.....	2 x 3
3-inch.....	
4-inch.....	3 x 4
5-inch.....	4 x 5
6-inch.....	
Copper.	Copper.
2-inch.....	2 x 3
3-inch.....	3 x 4
4-inch.....	4 x 5
5-inch.....	
6-inch.....	

Our conductor strainers are made of heavy wire. None better in the market.  
Special strainers made upon order.



Square.

WRITE FOR PRICES.



## THE "EAGLE" BRAND ELBOW

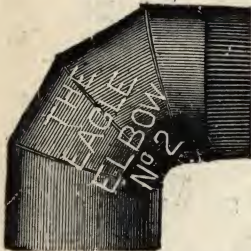
The "Eagle" Elbow is made of the best Refined Charcoal Iron, and varnished to prevent Rusting.

No. 1. Bulged 26 Charcoal Iron.



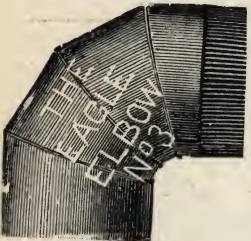
Size.	Per Doz.
4 inch.....	
4½ ".....	
5 ".....	
5½ ".....	
6 ".....	
7 ".....	

No. 2. 26 Charcoal Iron.



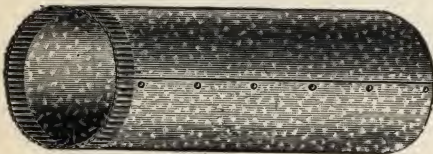
Size.	Per Doz.
4 inch.....	
4½ ".....	
5 ".....	
5½ ".....	
6 ".....	
7 ".....	
8 ".....	

No. 3. 28 Charcoal Iron.



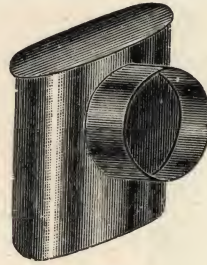
Size.	Per Doz.
3 inch.....	
4 ".....	
4½ ".....	
5 ".....	
5½ ".....	
6 ".....	

## GALVANIZED IRON PIPE Riveted.



No. 28; 26 and 24 Gauge.  
Stock Sizes 4 to 18 inches.

## DRUM ELBOWS



Sizes.

5 x 5	5 x 6	5 x 8
5 x 5½	5 x 6½	6 x 6
5 x 5¾	5 x 7	7 x 6

Any desired size made to order.

## BLUE STOVE PIPES

Riveted.



Sizes.

Size.	Price each.....
4 inch.....	
4½ ".....	
5 ".....	
5½ ".....	
6 ".....	
7 ".....	

Our Stove Pipe is all made from Blue Uniform Iron and supplied in all gauges.

## TAPERED STOVE PIPES



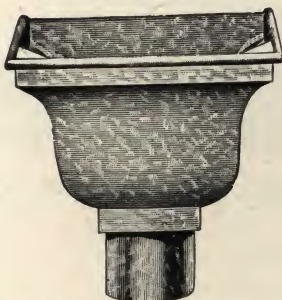
Sizes.

Size.	Price each.....
4½ x 4.....	
5 x 4½.....	
5½ x 5.....	
6 x 5.....	
7 x 6.....	

WRITE FOR PRICES.

### O. G. LEADER HEADS

Galvanized Iron.



Made of 28, 26 and 24 Steel.  
We can also supply in 16 oz. copper.  
Sizes 2 to 6 inch.

### PLAIN LEADER HEADS

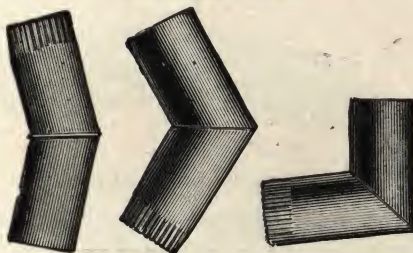
Galvanized Iron.



Made of 28, 26 and 24 Steel.  
We can also supply in 16 oz. copper.  
Sizes 2 to 6 inch.

### LEADER PIPE BENDS

Galvanized Iron.

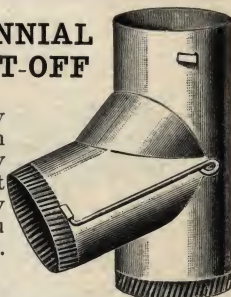


No. 1.      No. 2.      No. 3.  
Nos. 28, 26 and 24 Gauge.  
Sizes 2 to 6 inch.

### THE CENTENNIAL WATER CUT-OFF

For Cisterns.

It is the only cut-off that can be used in any position without extra pipe. Try them and you will use no other.



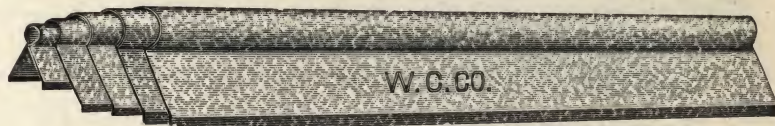
Sizes.

Galvanized

2 inch.	Each.
3 " . . . . .	" . . . . .
4 " . . . . .	" . . . . .
5 " . . . . .	" . . . . .
6 " . . . . .	" . . . . .

### PLAIN RIDGE ROLL

Galvanized. 8 Foot Lengths. Style A. Plain. Made in 28, 26, 24 Steel.



### ANGLE RIDGE CAP

Galvanized. 8 Foot Lengths. Style A. Plain. Made in 28, 26, 24 Steel.



WRITE FOR PRICES.



CHARLES TISCH

## EAVES TROUGH

Galvanized Steel and Cold Rolled Copper.



### LAP OR SLIP-JOINT GALVANIZED OR COPPER EAVE TROUGH

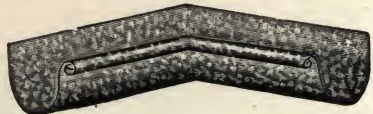
Single or Double Bead.

Made in one piece without cross seams; 10 ft. lengths.

Stock sizes from 3 to 8 inch, Nos. 28, 26 and 24 galvanized steel and 16-ounce copper.

### EAVES TROUGH MITRES

Galvanized Steel and Cold Rolled Copper.



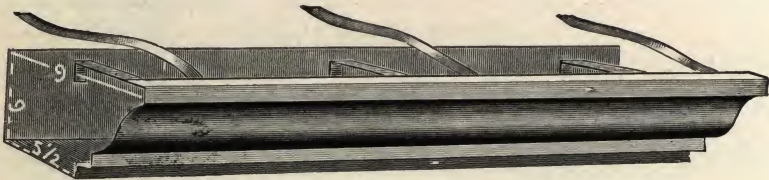
LAP-JOINT.

Outer Corner Mitre.

Inner Corner Mitre.

Stock sizes 3 to 8 inch, Nos. 28, 26 and 24, galvanized and 16-ounce copper.

## GALVANIZED AND COPPER O. G. GUTTER



7 and 8 feet long, Nos. 28, 26 and 24 gauge; galvanized or 16-ounce copper.

Sizes of Bottom.	Height of Back.	
4 inches.....	7 $\frac{1}{4}$ inches.....	Price per foot.....
4 $\frac{1}{2}$ inches.....	6 $\frac{3}{4}$ inches.....	Price per foot.....
5 inches.....	6 inches.....	Price per foot.....
5 inches.....	10 $\frac{1}{2}$ inches.....	price per foot.....
5 $\frac{1}{2}$ inches.....	9 $\frac{3}{4}$ inches.....	Price per foot.....
6 inches.....	9 $\frac{1}{4}$ inches.....	Price per foot.....
7 inches.....	8 $\frac{1}{4}$ inches.....	Price per foot.....
8 inches.....	7 $\frac{1}{4}$ inches.....	Price per foot.....

Can supply Quarter Circle O. G. and Box Gutters per sketch.

WRITE FOR PRICES.

## LEADER PIPE, GALVANIZED

**Riveted and Soldered**

Made of Steel or Charcoal Iron,  
In 10-foot Lengths.

In the manufacture of our Riveted and Soldered Leader, neither time or expense is spared in its production. The best grade of Apollo steel being used, each joint is riveted separately, and the solder sweated over Rivets and Seams in such a way that it cannot come apart. We pride ourselves on this product and request your trial order.



Size	Gauge	Gauge	Gauge
2 inch	No. 28	No. 26	No. 24
3 "	"	"	"
4 "	"	"	"
5 "	—	"	"
6 "	—		"

All our leader is guaranteed as to gauge.

Leader heavier than No. 24 gauge made to order.

**WRITE FOR PRICES.**



## CONDUCTOR PIPE

Galvanized Steel, Galvanized Charcoal Iron and Cold Rolled Copper.

Made in One Piece Without Cross Seam.

All 10-foot lengths.



ROUND CORRUGATED EXPANDING.



PLAIN ROUND.

Sizes.				
2 inch	No. 28 Gauge....	No. 26 Gauge....	No. 24 Gauge...	16-oz. Copper
3 "	"	"	"	"
4 "	"	"	"	"
5 "	"	"	"	"



SQUARE CORRUGATED EXPANDING.

Sizes.	Corre- spond- ing to				
1 3/4 x 2 1/4 in.	2 in.	No. 28 Gauge..	No. 26 Gauge..	No. 24 Gauge..	16-oz. Copper
2 3/8 x 3 1/4 "	3 "	"	"	"	"
2 3/4 x 4 1/4 "	4 "	"	"	"	"
3 3/4 x 5 "	5 "	"	"	"	"

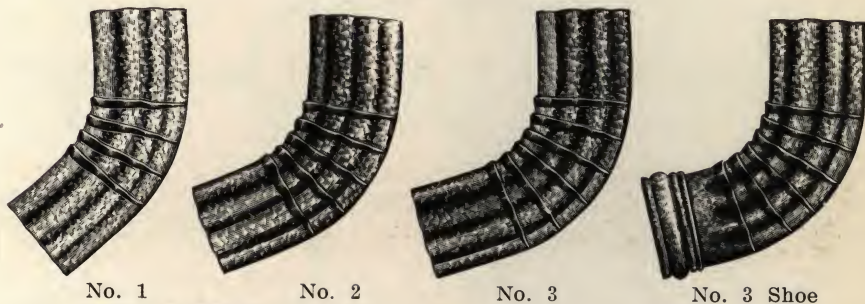
All Conductor other than standard gauge are stensiled with gauge thereon.

Plain Square Conductor made upon order.

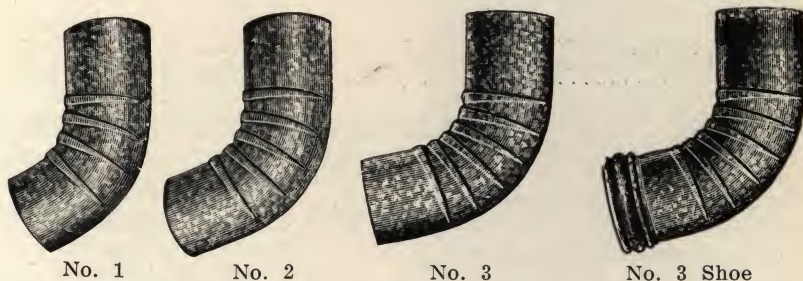
WRITE FOR PRICES.

# CONDUCTOR PIPE ELBOWS AND SHOES

## Round Corrugated Elbows

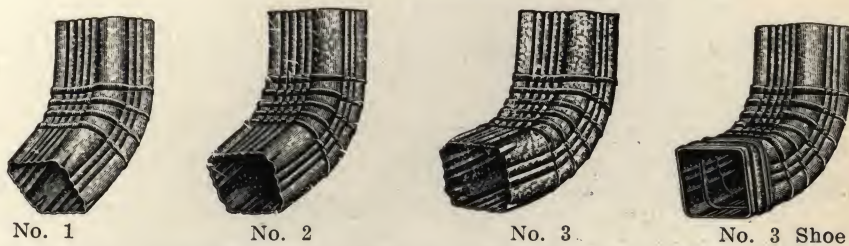


## Plain Round Elbows



Sizes.				
2 inch.	No. 28 Gauge....	No. 26 Gauge....	No. 24 Gauge..	.16-oz. Copper
3 "	"	"	"	"
4 "	"	"	"	"
5 "	"	"	"	"
6 "	"	"	"	"

## Square Corrugated Elbows

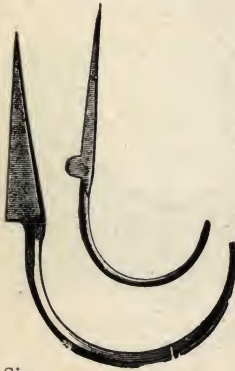


Sizes.	Corresponding to				
1 3/4 x 2 1/4 in..	2 in..	No. 28 Gauge..	No. 26 Gauge..	No. 24 Gauge..	.16-oz. Copper
2 3/8 x 3 1/4 "	3 "	"	"	"	"
2 3/4 x 4 1/4 "	4 "	"	"	"	"
3 3/4 x 5 "	5 "	"	"	"	"



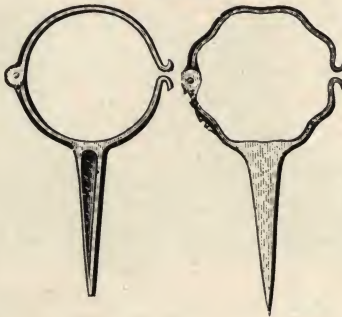
## GALVANIZED AND BLACK LEADER HOOKS

Wrought Iron Hooks.  
For Wood or Brick.



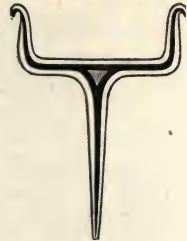
Size.  
2 inch.....  
3 ".....  
4 ".....  
5 ".....  
6 ".....

Plain and Corrugated Hinged  
Hooks.  
For Wood or Brick.



Size.  
2 inch.....  
3 ".....  
4 ".....  
5 ".....  
6 ".....

Square Wired  
Hooks.  
For Wood or Brick



Size.  
2 inch.....  
3 ".....  
4 ".....  
5 ".....  
6 ".....

## ADJUSTABLE EAVES-TROUGH HANGERS

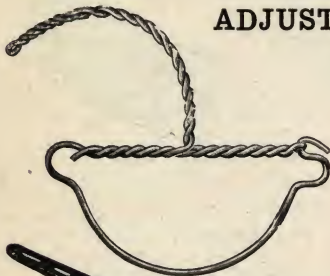
These Hangers Make the Gutter Exceedingly  
Strong and Ornamental.

### Wire Eaves-Trough Hangers

Triple Twisted Cross-bar.

Made single or double bead.

Size.	Per Doz.	Per Gross.
3 inch.....	.....	.....
4 ".....	.....	.....
5 ".....	.....	.....
6 ".....	.....	.....



No. 12

### GEM CIRCLE AND No. 12 SHANK

For Single Bead Eave Trough.

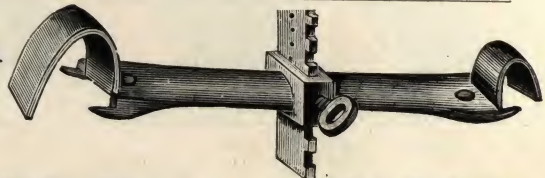
All Sizes 4 to 6 inch.

No. 12 is made  $\frac{1}{4}$  pitch to fasten  
under the shingles or slate, and is  
bent to suit the pitch. The holes on  
top of the shank are made beveling  
so that the nail can be driven at any  
point and enter the shank.

### The Improved Yankee Adjustable Eaves-Trough Hanger

Patented August 28, 1888.

The best Hanger on the  
market; easy to adjust.



Size.	Per Doz.	Per Gross.
3 inch.....	.....	.....
3 ½ ".....	.....	.....
4 ".....	.....	.....
4 ½ ".....	.....	.....

Size.	Per Doz.	Per Gross.
5 inch.....	.....	.....
5 ½ ".....	.....	.....
6 ".....	.....	.....

WRITE FOR PRICES.

## OLD STYLE ROOFING PLATES

**AMERICAN  
IC  
8 POUNDS COATING**

**AMERICAN.**  
Oil Finished. 200 lb. Evenly Coated.  
Coating 8 lbs.  
Sizes, 20x28 and 14x20.  
Net Weight 208 lbs. per case of 112,  
20x28 in. Sheets.

**LAFAYETTE  
IC  
8 POUNDS COATING**

**LAFAYETTE IC.**  
Oil Finished. Full Weight. Evenly Coated  
Coating 8 lbs.  
Sizes, 20x28 and 14x20.  
IC Net Weight 222 lbs. per case of 112,  
20x28 in. Sheets.  
Every Sheet Resquared and Stamped with  
Name, Gauge and Weight of Coating.

**LIVINGSTON  
IC  
12 POUNDS COATING**

**LIVINGSTON IC.**  
Bright Finished Ternes.  
Coating 12 lbs.  
Sizes, 20x28 and 14x20.  
IC Net Weight 226 lbs. per case of 112,  
20x28 in. Sheets.  
Every Sheet Resquared and Stamped with  
Name, Gauge and Weight of Coating.

**ROCKWELL  
IC  
OLD STYLE  
15 POUNDS COATING**

**ROCKWELL IC.**  
Old Style Bright Finished Ternes.  
Coating 15 lbs.  
Sizes, 20x28 and 14x20.  
IC Net Weight 230 lbs. per case of 112,  
20x28 in. Sheets.  
Every Sheet Resquared and Stamped with  
Name, Gauge and Weight of Coating.

**C.T.  
OLD METHOD  
20 POUNDS COATING  
IC**

**C. T.**  
Old Method Bright Finished Ternes.  
Coating 20 lbs.  
Sizes, 20x28 and 14x20.  
IC Net Weight 235 lbs. per case of 112,  
20x28 in. Sheets.  
Every Sheet Resquared and Stamped with  
Name, Gauge and Weight of Coating.

---

A large stock of Bright Coke Plates carried constantly on hand. Send us your orders, which will receive our best attention.

**WRITE FOR PRICES.**



## OLD STYLE ROOFING PLATES

Our Old Style Plates are made by the Old Method Palm Oil process, each sheet being re-dipped. Every sheet is stamped with our own brand and weight of coating, carefully resquared, inspected and packed. We guarantee our different brands to be equal in quality to any plate made carrying the same weight coating.

Coating—Based per 20x28 in. Case of 112 sheets.

**TISCH'S  
GENUINE  
IC  
OLD STYLE  
25 POUNDS COATING**

**C.T. RE-DIPPED  
IC GUARANTEED  
40 POUNDS COATING  
OLD PROCESS**

**TISCH'S GENUINE IC.**  
Old Style Bright Finished Ternes.  
Coating 25 lbs.  
Sizes, 20x28 and 14x20.

IC Net Weight 240 lbs. per case of 112,  
20x28 in. Sheets.

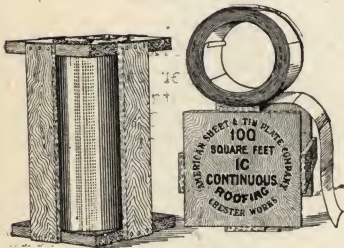
Every Sheet Resquared and Stamped with  
Name, Gauge and Weight of Coating.

**C. T. RE-DIPPED IC GUARANTEED.**  
Old Process. Palm Oil Finished Ternes.  
Coating 40 lbs.  
Sizes, 20x28 and 14x20.

IC Net Weight 255 lbs. per case of 112,  
20x28 in. Sheets.

Every Sheet Resquared and Stamped with  
Name, Gauge and Weight of Coating.

## CONTINUOUS ROOFING TIN



14 and 20 inches wide, made from  
terne coated sheets 72 in., 84 in. and  
96 in. long, carefully assorted.  
Single lock seam and soldered.

14 inches wide, 8-pound Coating,  
100 square feet each.

20 inches wide, 8-pound Coating,  
100 square feet each.

Painted one side....per roll, \$....

**WRITE FOR PRICES.**

## APOLLO BEST BLOOM

Galvanized Sheets



“Apollo Best Bloom” appearing on a bundle of Galvanized Iron stands for superiority; have an established reputation for long and most efficient service and because of their unusual working qualities, being soft and pliable and true to gauge, thus saving time and labor in applying and forming.

---

Stock Gauges and Sizes:

No. 16 to 28 inclusive, 96" long, 24 to 36" wide.

By Sheet or Bundle.

**WRITE FOR PRICES.**



## BLACK SHEET IRON



### Stock Sizes and Gauges.

Nos. 16 to 28, 96 in. Long, 24 to 40 in. Wide.

### Uniformed Blue Colored Sheet Iron

Also in Stock.

By Sheet or Bundle.

## SHEET ZINC

By the Sheet or Cask.

Gauges 9, 10, 11 and 12, 24 to 48 in. Wide, 84 in. Long.

## SHEET COPPER

Hot and Cold Rolled.

By Sheet or Case.

**WRITE FOR PRICES.**

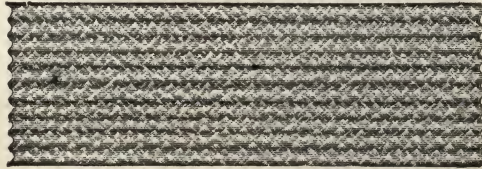
## CORRUGATED SHEETS

Galvanized or Painted Red for Roofing or Siding, made of Steel or Pure Charcoal Iron Sheets.

Sheet Metal in its strongest form is found in Corrugated Sheets, as the corrugations stiffen the sheets to the highest possible degree. When applied over light, inexpensive framing it makes a cheap, substantial fire-proof building. They can be applied directly to building without first sheathing, if desired.

We can furnish  $\frac{5}{8}$  in.,  $1\frac{1}{4}$  in.,  $1\frac{1}{2}$  in., 2 in.,  $2\frac{1}{2}$  in. and 3 in. corrugations, and can furnish all except  $\frac{5}{8}$  in. in sheets 5, 6, 7, 8, 9, 10 and 12 ft.  $\frac{5}{8}$  in. 8 ft. and shorter. Other sizes can be made and shipped promptly from mill. We can also furnish sheets painted either White or Graphite.

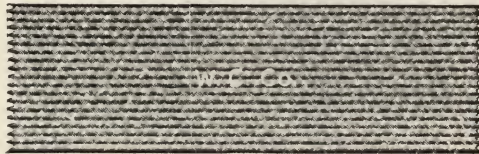
All Corrugated Sheets sold per 100 Sq. Ft. (called a square) with no allowance for laps.



$2\frac{1}{2}$  IN. CORRUGATED SHEETS.

$\frac{5}{8}$ inch	Corrugated Sheet	is	$\frac{3}{8}$ inch	deep	and is	25 inch	wide.
$1\frac{1}{4}$ inch	"	"	is	$\frac{1}{2}$ inch	"	"	"
$1\frac{1}{2}$ inch	"	"	is	$\frac{5}{8}$ inch	"	"	"
2 inch	"	"	is	$\frac{1}{2}$ inch	"	"	"
$2\frac{1}{2}$ inch	"	"	is	$\frac{1}{2}$ inch	"	"	"
3 inch	"	"	is	$\frac{3}{4}$ inch	"	"	"

Stock sizes are 5, 6, 7, 8, 9, 10 and 12 ft. lengths. Made in all gauges, No. 24 and lighter. The  $2\frac{1}{2}$  and 3 in. corrugation can be applied on No. 16 Gauge Iron and Lighter.



3-16 IN. CRIMPED SHEETS.

For Cornices and Ornamental Iron Work.

3-16 in. cross corrugations, 24, 26, 28, 30 and 36 in. wide, in 8 ft. sheets. Other lengths furnished on special orders. Made in 26, 27 and 28 gauges. Put up in bundles, same as flat sheets. Galvanized and Painted Red, carried in stock. Painted White or Graphite to order.

This material can be worked in a cornice brake and is generally used by cornice makers. It is also used for side walls and ceilings.

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CHARLES TISCH

## CRESCENT METAL LATH

A NECESSITY IN MODERN BUILDING.



[Patented.]

Made of steel sheets 3-16 inch crimped and beaded every  $1\frac{3}{4}$  inches to give the necessary stiffness to the sheet.

The openings are of ample width to allow an easy passage to the plaster under pressure, and are guarded by an arch of metal, which prevents the plaster from going through too freely, and which forms a solid and substantial key. This arch also adds to the stiffness of the sheet.

This lath is coated on both sides with our special anti-rust coating. The advantage of using a strong, fire-proof, water-proof and vermin-proof lathing is so apparent that it at once recommends itself to the architect and owner.

Crescent Metal Lath possesses all the advantages of all other kinds of metal fire-proofing, while its design is such that it entirely does away with all the objectionable features found in other makes.

It is easily and quickly applied, and can be coated so rapidly and economically, allowing absolutely no waste of plaster, that it stands in high favor with the contractor and mechanic.

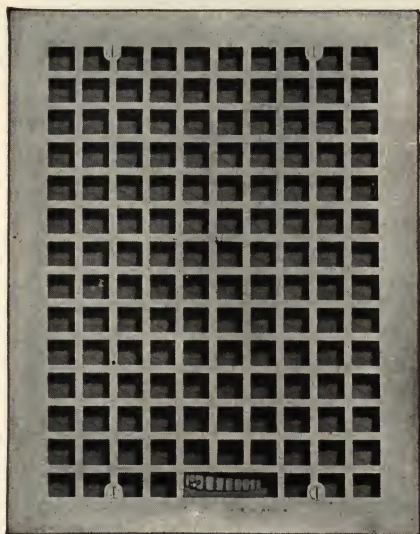
This lath is not expanded metal—the sheet possesses the full strength of the steel.

Sizes 15 and 24 inch. Price per yard.....

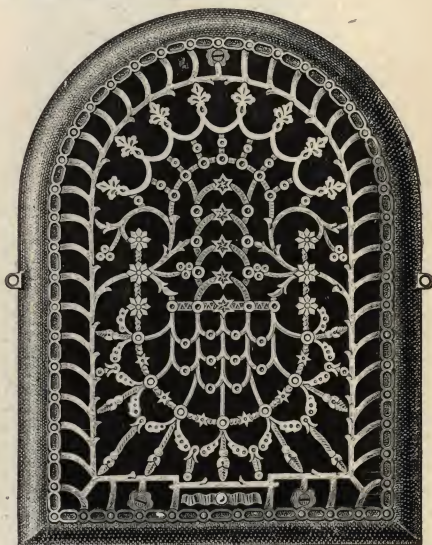
93, 95 & 97 Rockwell Place, near Flatbush Avenue.

## REGISTERS AND BORDERS

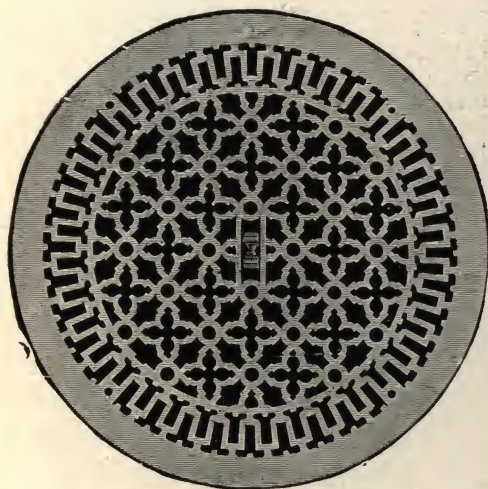
We carry in stock a complete line of Black and White Registers and Borders of Tuttle & Bailey Manufacture. We also can supply at short notice, stock finished in Gold Bronze, Brass, Electroplated, and White Porcelain.



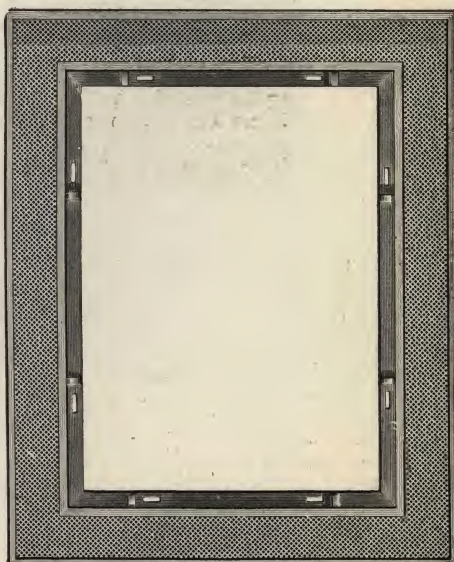
PLAIN LATTICE DESIGN.



CROWN DESIGN.  
Convex Circular Top



INDIAN LATTICE DESIGN



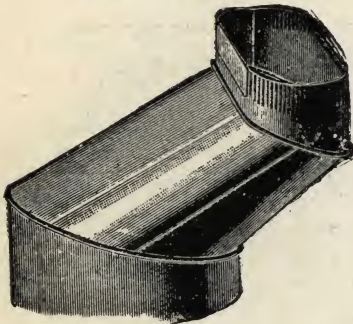
BRILLIANT DESIGN.

Next to Manufacturer our stock is the most complete in New York City.

WRITE FOR PRICES.



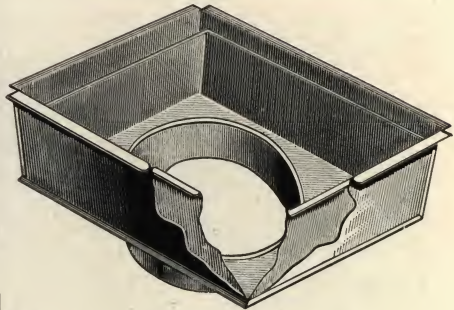
**TIN OFFSETS**



Size		Price
Round.	Oval.	Per piece.
7 inches,	3x8 inches.....	
8 "	4x8 "	
8 "	4x9 "	
8 "	4x10 "	
8 "	3½x10 "	
8 "	3½x12 "	
8 "	4x12 "	
9 "	4x10 "	
9 "	3½x12 "	
9 "	4x14 "	
10 "	4x12 "	
12 "	4x12 "	
10 "	4x16 "	

One side round and the other side oval.

**REGISTER BOXES**

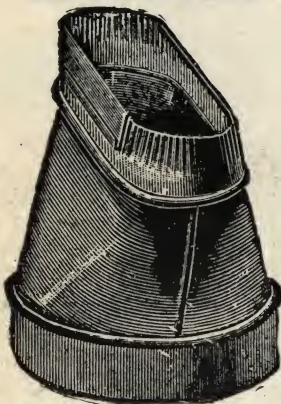


Size.	inches.....	Per box.	Price.
6x8	"	"	
6x10	"	"	
8x10	"	"	
8x12	"	"	
9x12	"	"	
10x12	"	"	
10x14	"	"	
10x16	"	"	
12x14	"	"	
12x16	"	"	
12x18	"	"	
12x20	"	"	
14x18	"	"	
14x22	"	"	
16x20	"	"	
16x24	"	"	

Discount.

Depth of boxes, 4 inches; length of  
Collars, 4 inches; Flanges, 1 inch.  
Special sizes made to order.

**TIN STARTERS**



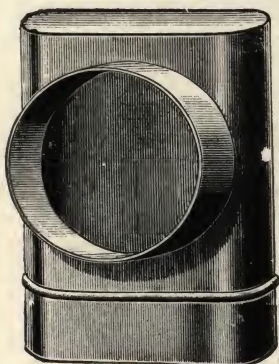
Size		Price
Round.	Oval.	Per piece.
7 inches,	3x8 inches.....	
8 "	3½x8 "	
8 "	3½x10 "	
8 "	4x8 "	
9 "	4x10 "	
9 "	3½x12 "	
10 "	3½x12 "	
10 "	4x12 "	
10 "	4x14 "	
10 "	4x16 "	

One side round and the other oval or square.

**WE** are in a  
position to  
supply your re-  
quirements in any  
Special Tin or  
Galvanized Work  
at moderate cost

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## TIN OVAL HOT-AIR DRUM

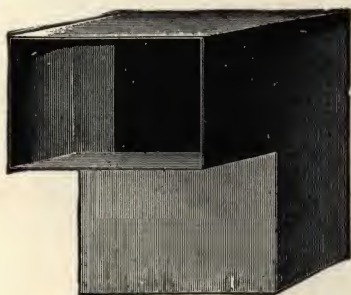


Size.		Price.
3x8 inches.....	Per piece.....	
3x10 " " " " " "	" " " " " "	
3½x9 " " " " " "	" " " " " "	
3½x10 " " " " " "	" " " " " "	
3x12 " " " " " "	" " " " " "	
3½x12 " " " " " "	" " " " " "	
4x8 " " " " " "	" " " " " "	
4x9 " " " " " "	" " " " " "	
4x10 " " " " " "	" " " " " "	
3½x12 " " " " " "	" " " " " "	
4x12 " " " " " "	" " " " " "	
4x14 " " " " " "	" " " " " "	
4x16 " " " " " "	" " " " " "	

Body, 12 inches long, with cover and collar to size.

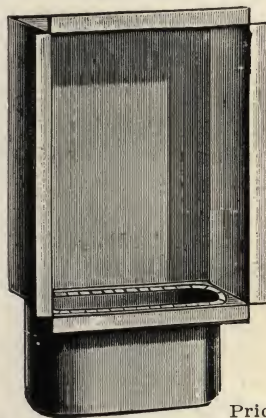
Special sizes made to order.

## SQUARE TIN ELBOWS



Size.		Price.
3x8 inches.....	Per piece.....	
3x10 " " " " " "	" " " " " "	
4x8 " " " " " "	" " " " " "	
3½x10 " " " " " "	" " " " " "	
4x10 " " " " " "	" " " " " "	
3½x12 " " " " " "	" " " " " "	
4x12 " " " " " "	" " " " " "	
4x14 " " " " " "	" " " " " "	
5x8 " " " " " "	" " " " " "	
6x8 " " " " " "	" " " " " "	
6x10 " " " " " "	" " " " " "	

## WALL REGISTER BOXES

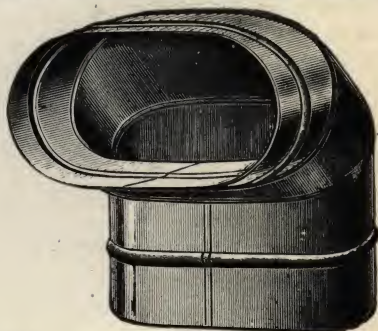


Size.		Price.
6x8 inches.....	Per box.....	
6x10 " " " " " "	" " " " " "	
8x10 " " " " " "	" " " " " "	
8x12 " " " " " "	" " " " " "	
9x12 " " " " " "	" " " " " "	
10x12 " " " " " "	" " " " " "	
10x14 " " " " " "	" " " " " "	
10x16 " " " " " "	" " " " " "	
12x14 " " " " " "	" " " " " "	
12x16 " " " " " "	" " " " " "	
12x18 " " " " " "	" " " " " "	
12x20 " " " " " "	" " " " " "	
14x18 " " " " " "	" " " " " "	
14x22 " " " " " "	" " " " " "	
16x20 " " " " " "	" " " " " "	

Depth of Boxes, 4 inches; length of Collars, 4 inches; Flanges, 1 inch.

Special sizes made to order.

## Oval Three-Pieced Tin Elbow



Size.		Price.
3x8 inches.....	Per piece.....	
3x10 " " " " " "	" " " " " "	
3x12 " " " " " "	" " " " " "	
3½x9 " " " " " "	" " " " " "	
3½x10 " " " " " "	" " " " " "	
3½x12 " " " " " "	" " " " " "	
4x8 " " " " " "	" " " " " "	
4x10 " " " " " "	" " " " " "	
4x12 " " " " " "	" " " " " "	
4x14 " " " " " "	" " " " " "	
4x16 " " " " " "	" " " " " "	

WRITE FOR PRICES.



## The following is a Partial List of Sundries carried in stock :

Asbestos Boiler Covering.  
Asbestos Paper, Plain or Corrugated.  
Ash Pans.

Boilers (Galvanized).  
Boiler Stands.  
Boiler Couplings.  
Bolts (Sink).  
Bolts (Stove).  
Brick for Setting Grates.  
Brushes (Boiler).  
Brushes (Chimney).  
Brushes (Flue).  
Brushes (Roof).  
Brushes (Steel Casting).  
Brushes (Stove).

Caldron Brick.  
Candles (Plumbers').  
Castings (for Richmond Tops).  
Cast Iron Collars (for Hot Air Pipe).  
Cesspool Plates.  
Cement (Asbestos Furnace).  
Cement (American Seal Roof).  
Chimney Balls.  
Chimney Bases.  
Chimney Caps (Revolving).  
Chimney Tops (Richmond).  
China Bowls (for Stoves).  
Clay Bricks.  
Clay Rutland.  
Clay Kaolin.  
Coal Hole Covers.  
Confectioners' Furnace Repairs.  
Copper (In Sheets).  
Coupling, Water Back and Boiler.  
Cut-Offs, Centennial.

Dampers, American.  
Damper (Attachments for Cold Air)  
Dampers, Boynton's Regulating.  
Dampers, Chilson.  
Dampers, Open Fire Place.

Dampers, Oval.  
Dampers, Richardson and Boynton.  
Dampers, Yankee.  
Damper Attachments (Union).  
Damper Rods.  
Damper Rods and Clasps.  
Doors, Bake Oven.  
Doors, Chimney Soot.  
Doors, Hand-Hole.  
Doors, Manhole.

Eave Trough, Galvanized and Copper.  
Eave Trough Hangers.  
Elbows, Black.  
Elbows, Copper.  
Elbows, Galvanized.  
Elbows, Black Adjustable Drop.  
Elbows, Adjustable Drop.  
Elbows, Galv. Plain or Corrugated.  
Elbows, Drum.  
Elbows, Tin Adjustable.  
Elbows, Tin Oval.  
Enamel, Black.

Flat Iron Heating Pans.  
Flashing Hooks.  
Flue Stoppers (Crown).  
French Range Repairs.  
Furnace Grates (Charcoal).  
Furnaces, Gasoline, Clayton and  
Lamberts.  
Furnaces, Plumber's Charcoal.  
Furnaces, Tinsmith's Charcoal.

Grates for Open Fire.  
Grates, Furnace.  
Gutter Braces.  
Gutter Hangers (Yankee and Wire).  
Gutter (O. G.).

Hinge Pins and Knobs.  
Horse Weights.  
Handles for Soldering Copper.

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SUNDRIES IN STOCK—Continued

Iron, Galvanized and Black.	Reducing Rings.
Iron, Planished	Registers.
Ironing Pans.	Register Borders.
	Register Boxes.
Knobs, Stove, Plain.	Rings, Stove Pipe.
Knobs, Stove, Wire Handle	Rivets.
	Rosin.
Leader, Bends.	Ridging, Galvanized Iron.
Leader, Hooks, All Styles	Roof Paint.
Leader Heads, O. G.	Roof Folders.
Leader Heads, Plain.	
Leader, Plain, Rd., Corrugated.	
Leader, Square, galvanized, Iron or	Scrapers, Stove.
Copper.	Scrapers, Furnace.
Leader Strainers.	Sectional Stove Covers.
Lifters.	Shakers.
Lifters, Cold Handles.	Shanty Caps.
Lifters, Erie Cold Handles No. 80.	Sheet Iron, Black.
	Sheet Iron, Galvanized.
Mallets.	Sheet Zinc.
Mason's Thimbles.	Sink Strainers and Collars.
Metal Lath.	Skylight Gearing.
Metals.	Snips, Tinnern.
Mica.	Solder.
Mitres, Eave Trough.	Soldering Coppers.
	Stove Boards.
Nails, Roofing.	Summer Pieces and Borders.
Nipples, Brass and Iron.	Sad Iron Heater. Round and Square.
Offsets, Tin.	Tee Joints.
Ornaments for Stoves.	Thimbles, Mason's.
Ovens, Sheet Iron.	Thimbles, O. K. and Diamond.
	Tiles, Stove.
Pipe, Galvanized Iron.	Tin, Plate.
Pipe, Leader.	Tin, Continuous.
Pipe Tin. Round and Oval.	Torches, Clayton and Lambert's.
Pipe, Russia Iron Stove.	Turn Keys.
Pipe, Stove.	Turn Key Latches.
Pipe, Taper. Black and Galvanized.	
Pipe, Tin Heater.	
Pokers, Alaska.	Urns, Stove.
Pokers, Furnace.	
Pokers, Stove.	
Polish, Black Flag Stove.	Varnish, Black.
Polish, Black Eagle Stove.	Ventilators, World.
Pump Plungers.	
Pump Valves.	Water Backs.
Putty, Stove.	Wire, Stove Pipe.
Pot Soldering.	Wire Rod.

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Dandy 42, Barton Street

